

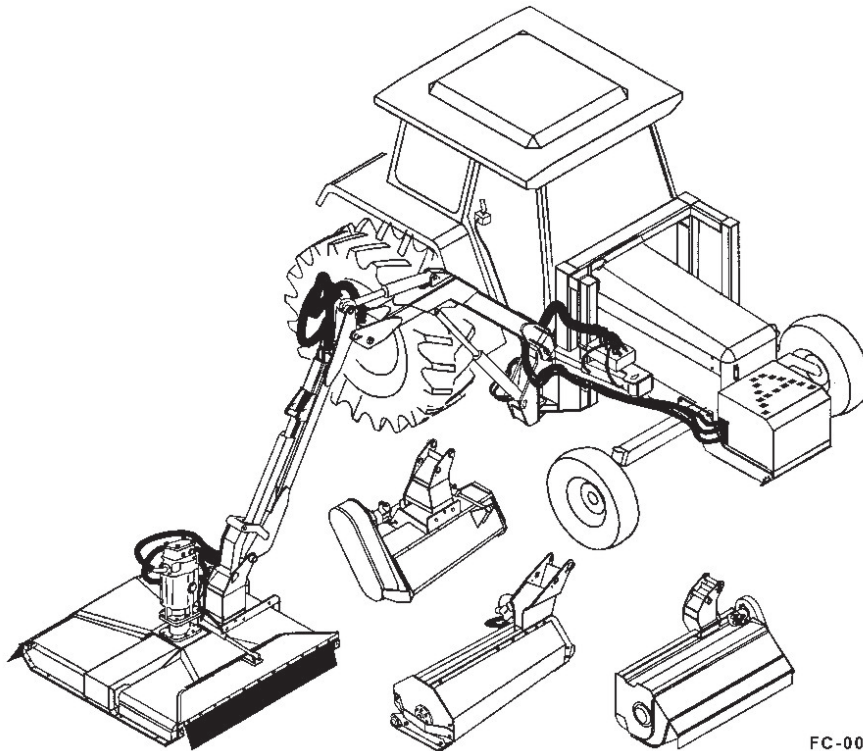


Boom Arm Mower

Pub 12-08

Part No. 02986950P

PART'S MANUAL



FC-0002

¡ATENCIÓN!

LEA EL INSTRUCTIVO

Si No Lee Ingles, Pida Ayuda a Alguien
Que Si Lo Lea Para Que le Traduzca las
Medidas de Seguridad.



An Operator's Manual was shipped with the equipment in the Manual Canister. This Operator's Manual is an integral part of the safe operation of this machine and must be maintained with the unit at all times. **READ, UNDERSTAND, and FOLLOW** the Safety and Operation Instructions contained in this manual before operating the equipment. If the Operator's Manual is not with the equipment, contact your dealer or Servis-Rhino (800-446-5158) to obtain a Free copy before operating the equipment.

ALAMO INDUSTRIAL

1502 E. Walnut
Seguin, Texas 78155
210-372-3551



TO THE OWNER/OPERATOR/DEALER

All implements with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer has designed this implement to be used with all its safety equipment properly attached to minimize the chance of accidents.

BEFORE YOU START!!

Read the safety messages on the implement and shown in your manual.
Observe the rules of safety and common sense!



DANGER

FAILING TO FOLLOW SAFETY MESSAGES AND OPERATING INSTRUCTIONS CAN CAUSE SERIOUS BODILY INJURY OR EVEN DEATH TO OPERATOR AND OTHERS IN THE AREA.

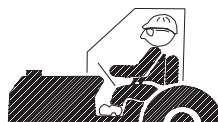
1.



2. NO RIDERS, NO CHILDREN OPERATORS.



3. USE SAFETY SHOES, HARD HAT, SAFETY GLASSES, SEAT BELTS, & ROPS.



4. BLOCK UP SECURELY BEFORE WORKING UNDER.



1. Study and understand Operator's Manuals, Safety Signs, and Instructional Decals for tractor & flail mower to prevent misuse, abuse, & accidents. Practice before operating mower in a confined area or near passersby.

- Learn how to stop engine suddenly in an emergency. Be alert for passersby and especially children.

2. Allow no children on or near implement of tractor. Allow no riders on tractor or implement. Falling off can cause serious injury or death from being runover by tractor or mower or contact with Flail Mower Blades.

3. Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seatbelt fastened securely and snugly to prevent injury and possible death from falling off or tractor overturn. Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety Shoes, and Ear Plugs are recommended.

4. Block up or support raised machine and all lifted components securely before putting hands or feet under or working underneath any lifted component to prevent crushing injury or death from sudden dropping or inadvertent operation of controls. Make certain that area is clear before lowering or folding.

5. Before transporting, put Lift Lever in detent or full-lift position. Install Transport Safety Devices securely on folding implements. Slowdown when turning and on hillsides.

- Install Restrictor in folding circuit to slow down lowering and unfolding if action is faster than is desirable.

6. Make certain that SMV sign, Warning Lights, and Reflectors are clearly visible. Follow local traffic codes.

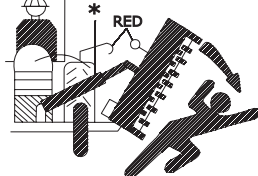
7. Never operate with Flail Mower or Folding Section raised if passersby, bystanders or traffic are in the area to reduce possibility of injury or death from objects thrown by Blades under Shields or implement structure.

8. Before dismounting, secure flail mower in transport position or lower to ground.

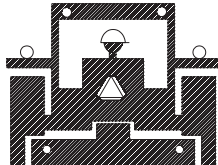
- Put tractor in park or set brake, disengage PTO, stop engine, remove key, and wait until noise of rotation has ceased to prevent entanglement in rotating parts which may cause injury or death.

- Never mount or dismount a moving vehicle. Crushing from runover may cause injury or death.

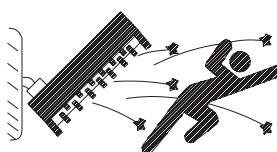
5. TRANSPORT SAFELY, LOCK UP.



6. USE SMV, LIGHTS, & REFLECTORS.



7. DO NOT OPERATE WITH MOWER OR WING RAISED.



8. DO NOT MOUNT OR DISMOUNT WHILE MOVING.



002369

WARRANTY INFORMATION:

Read and understand the complete Warranty Statement found in this Manual. Fill out the Warranty Registration Form in full and return it within 30 Days. Make certain the Serial Number of the Machine is recorded on the Warranty Card and on the Warranty Form that you retain. The use of "will-fit" parts will void your warranty and can cause catastrophic failure with possible injury or death.

PARTS SECTION

PARTS ORDERING GUIDE

The following instructions are offered to help eliminate needless delay and error in processing purchase orders for the equipment in this section.

1. The Parts Section is prepared in logical sequence and grouping of parts that belong to the basic machine featured in this manual. Part Numbers and Descriptions are given to help locate the parts and quantities required.
2. The Purchase Order must include the name and address of the person or organization ordering the parts, who should be charged, and if possible, the serial number of the machine for which the parts are ordered.
3. The Purchase Order must clearly list the quantity of each part, the complete and correct part number (be sure to include all periods), and the basic name of the part.
4. The Manufacturer reserves the right to substitute parts where applicable.
5. Some parts are unlisted items which are special production items not normally stocked and are subject to special handling. Request a quotation for such parts before sending a Purchase Order.
6. The Manufacturer reserves the right to change prices without prior notice.

NOTE: Please refer to The Safety Section in the front of this Manual for the proper Part Number when ordering Replacement Safety Decals.



For maximum safety and to guarantee optimum product reliability, always use genuine Servis-Rhino Parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death. Direct any questions regarding parts to:

////ALAMO[®]
INDUSTRIAL

ALAMO INDUSTRIAL

1502 E. Walnut
Seguin, Texas 78155
830-379-1480



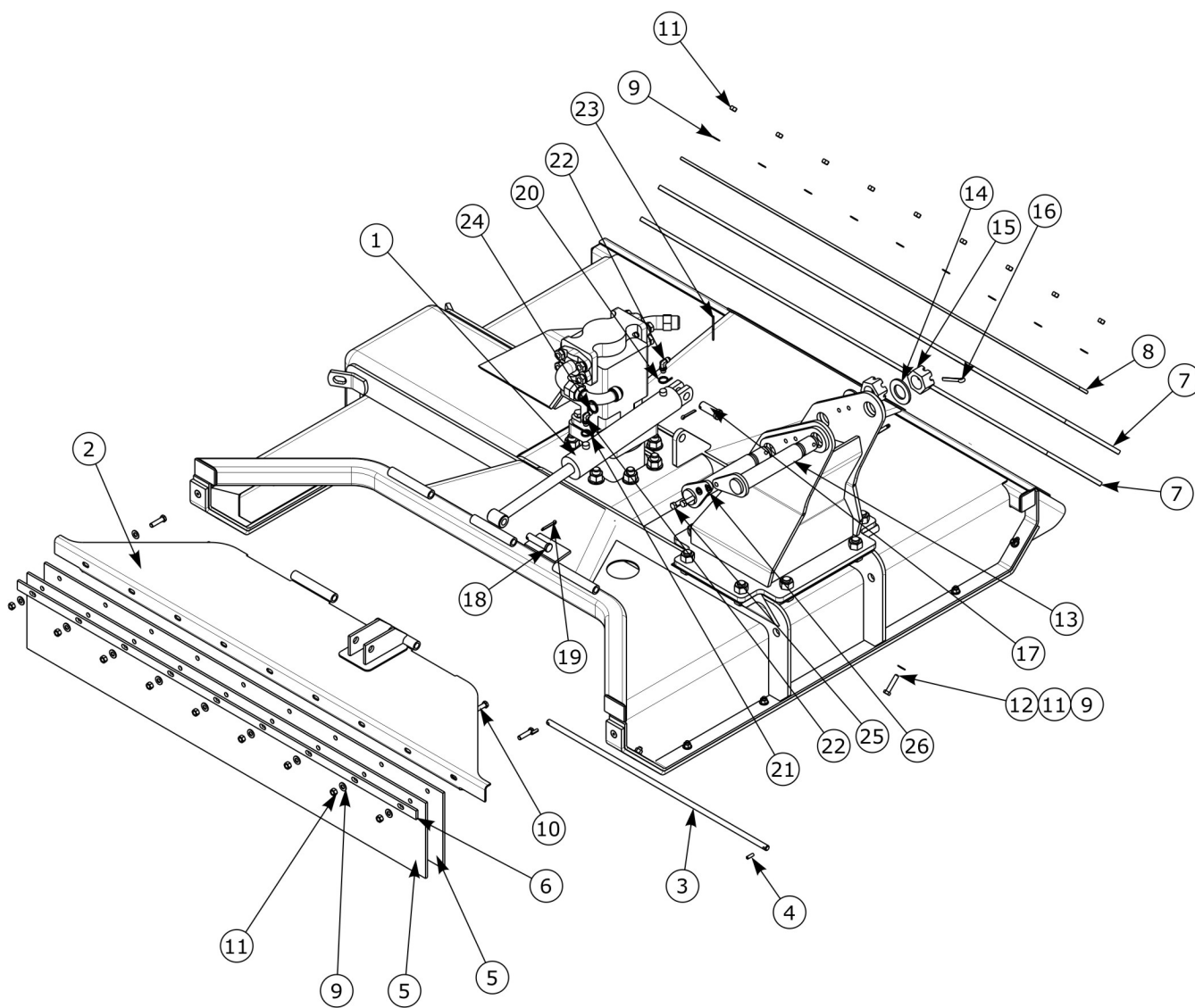
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50 IN ROTARY - BLADE BAR - HEAD ASY (SOLID MNT)

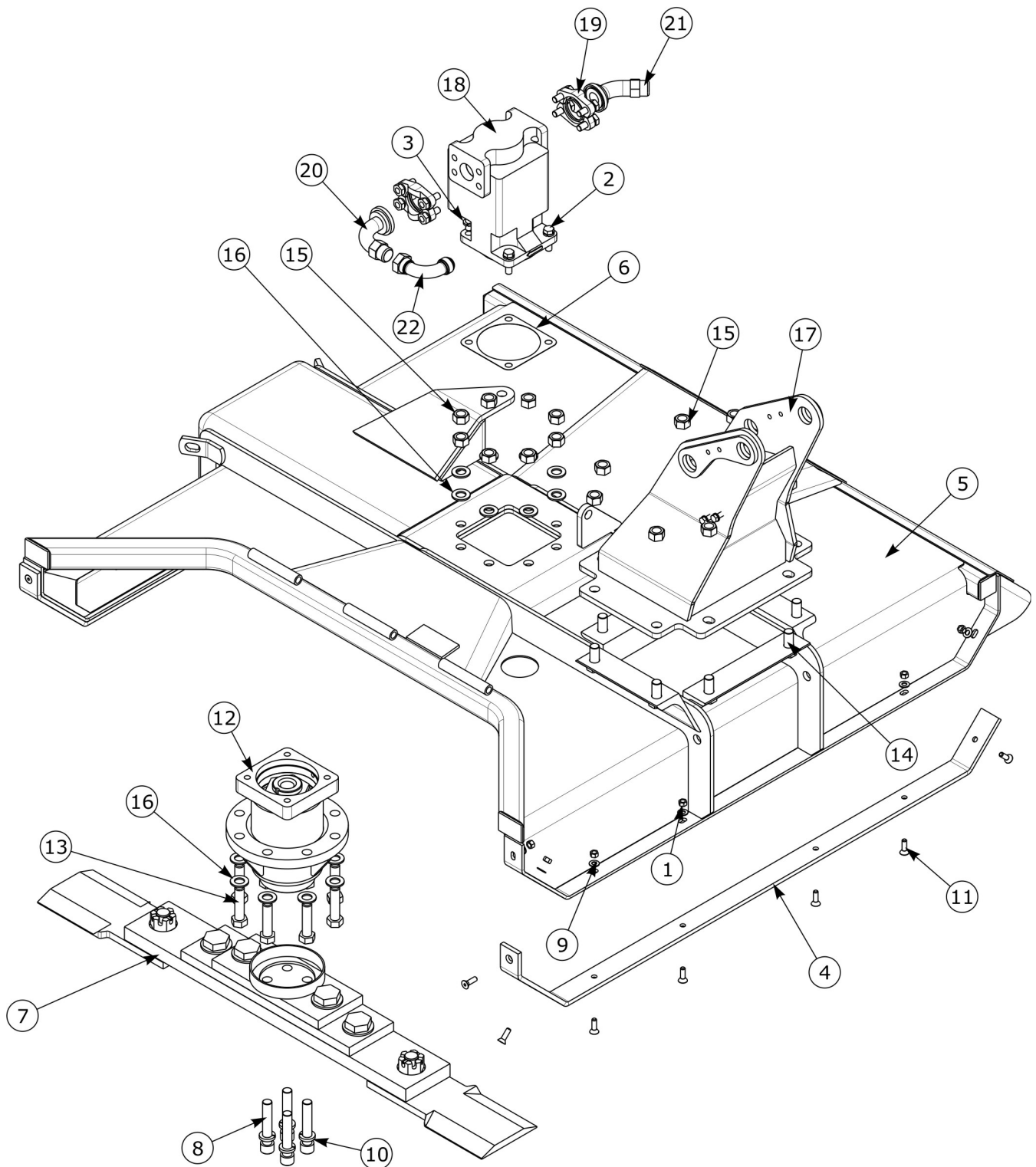


50 IN ROTARY - BLADE BAR - HEAD ASY (SOLID MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|------------------------------------|
| | 02986211 | 1 | ASY, 50" ROT, GEAR, BAR |
| 1 | 02961480A | 1 | HYD CYLINDER 2BORE X 9-1/4 STROKE |
| 2 | 02982914 | 1 | WELDMENT, DOOR |
| 3 | 02982915 | 1 | ROD, HINGE |
| 4 | 99338S | 2 | PIN ROLL 1/4 X 3/4 |
| 5 | 02982919 | 2 | FLAP, 8 1/2 X 52 X 1/4 THK |
| 6 | 02982918 | 1 | BAR, HOLD DOWN, FLAP |
| 7 | 02982920 | 2 | FLAP, REAR 10 X 53 X 3/8 THK |
| 8 | 02982921 | 1 | BAR, CLAMP, REAR |
| 9 | 00011100 | 36 | FLATWASHER 3/8 STD |
| 10 | 00023100 | 9 | HHCS 3/8 X 1-1/2 NC PL GR5 |
| 11 | 00015800 | 32 | LOCKNUT TLM 3/8 NC PLC |
| 12 | 00007000 | 9 | HHCS 3/8 NC 1-3/4 PL5 |
| 13 | 02981757 | 2 | WELDMENT, PIN, HITCH POST |
| 14 | 02971702 | 2 | FLATWASHER, 1-3/8 TYPE B PL NARROW |
| 15 | 02971701 | 2 | NUT, SLOTTED 1-3/8 12NF PLB |
| 16 | 165020 | 2 | PIN, COTTER 5/16 X 2-1/2 PL |
| 17 | 651102 | 1 | PIN-DRILLED |
| 18 | 02976448 | 1 | PIN - MACHINED HEAD |
| 19 | 00755153 | 2 | PIN, COTTER 3/16 X 1-1/2 PL |
| 20 | 02968837 | 1 | PLASTIC TIE, YELLOW & WHITE |
| 21 | 02968836 | 1 | PLASTIC TIE, YELLOW |
| 22 | 02960018 | 2 | ADP, HYD, ELBOW, 4MB-4MJ90 |
| 23 | 02968894 | 1 | PLASTIC TIE, RED, 11LG |
| 24 | 02968896 | 1 | PLASTIC TIE, ORANGE, 11LG |
| 25 | 02972949 | 2 | BOLT, HHCS 3/8 NC 1-1/4 PL8 |
| 26 | 00012101 | 2 | LOCKWASHER, 3/8" PL |

50 IN ROTARY - BLADE BAR - HEAD SUB-ASY (SOLID MNT)

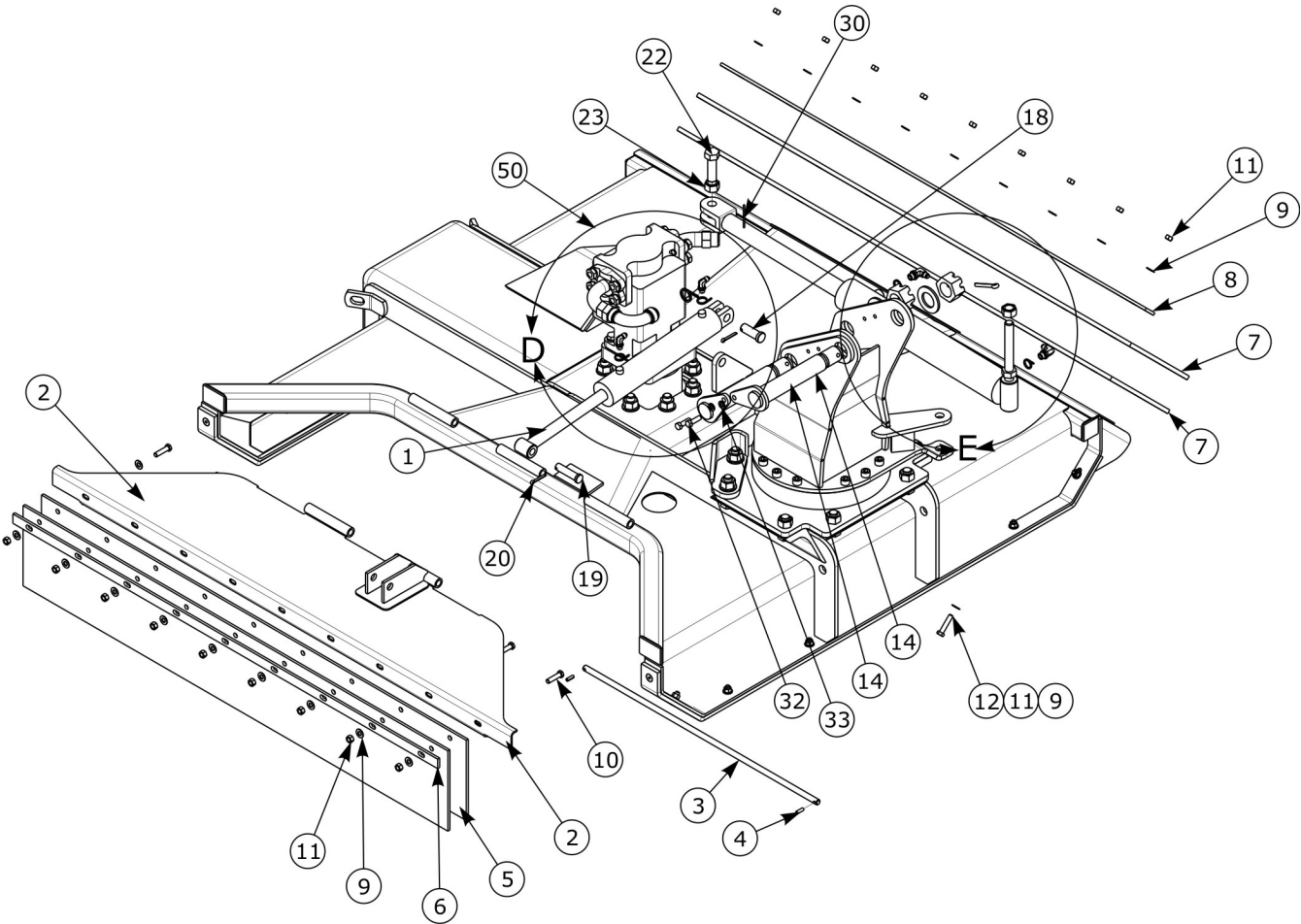
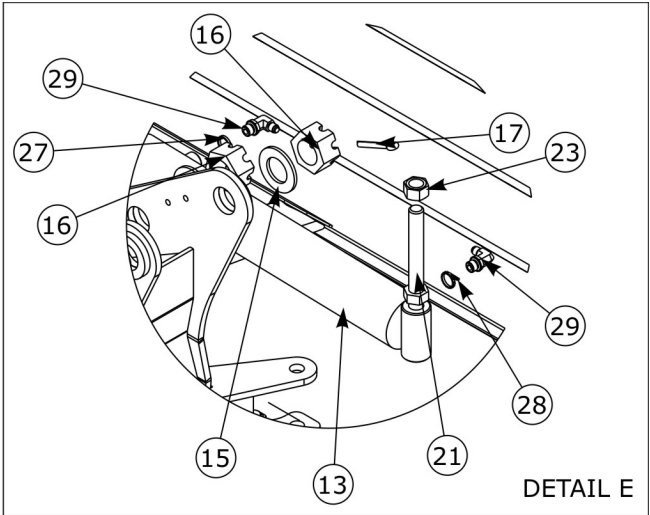
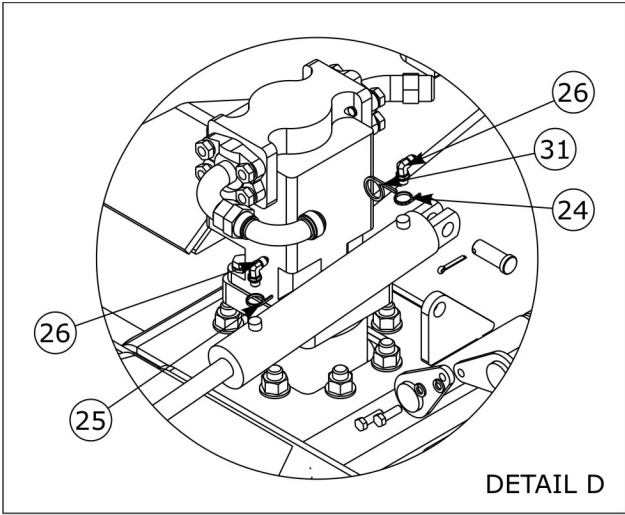


50 IN ROTARY - BLADE BAR - HEAD SUB-ASY (SOLID MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|-----------------------------------|
| | 02986211 | 1 | ASY, 50" ROT, GEAR, BAR |
| 1 | 00015800 | 32 | LOCKNUT TLM 3/8 NC PLC |
| 2 | 02891800 | 4 | HHCS 1/2 NC 1-3/4 PL8 |
| 3 | 00019600 | 4 | LOCKWASHER 1/2 HEAVY |
| 4 | 02982907 | 2 | SKID SHOE |
| 5 | 02981411 | 1 | WELDMENT, DECK 50" HEAD |
| 6 | 02961038 | 1 | GASKET |
| 7 | 02982906 | 1 | ASY, BLADE BAR W/BLADES |
| 8 | 02964861 | 4 | SHCS 3/4 NC 4" LG PL8 |
| 9 | 15B600 | 14 | WASHER 3/8 SAE P |
| 10 | 00003901 | 4 | LOCKWASHER 3/4 HEAVY |
| 11 | 00059700 | 14 | FSCS 3/8 NC X 1-1/4 |
| 12 | 02968859A | 1 | ASSEMBLY, SPINDLE HOUSING-SPLINED |
| 13 | 03200269 | 8 | HHCS 3/4 NC 3 PL8 |
| 14 | 02892100 | 8 | HHCS 3/4 NC X 1 3/4" LG |
| 15 | 00037200 | 16 | NUT 3/4 NC LOCKNUT |
| 16 | 5312316 | 16 | FLATWASHER 3/4 HARDENED |
| 17 | 02986200 | 1 | WELDMENT, HITCH POST |
| 18 | 02962112 | 1 | HYD MOTOR - CAST IRON SPLINED |
| 19 | 00749101 | 2 | SPLIT FLANGE KIT #24 |
| 20 | 00751842 | 1 | ADP HYD ELBOW 24FL - 16MJ - 90 |
| 21 | 00749104 | 1 | ADP HYD ELBOW 24FL - 16MJ - 45 |
| 22 | 02958858 | 1 | #16MJ-16FJ TUBE 90° |

50 IN ROTARY - BLADE BAR - HEAD ASY (SWIVEL MNT)

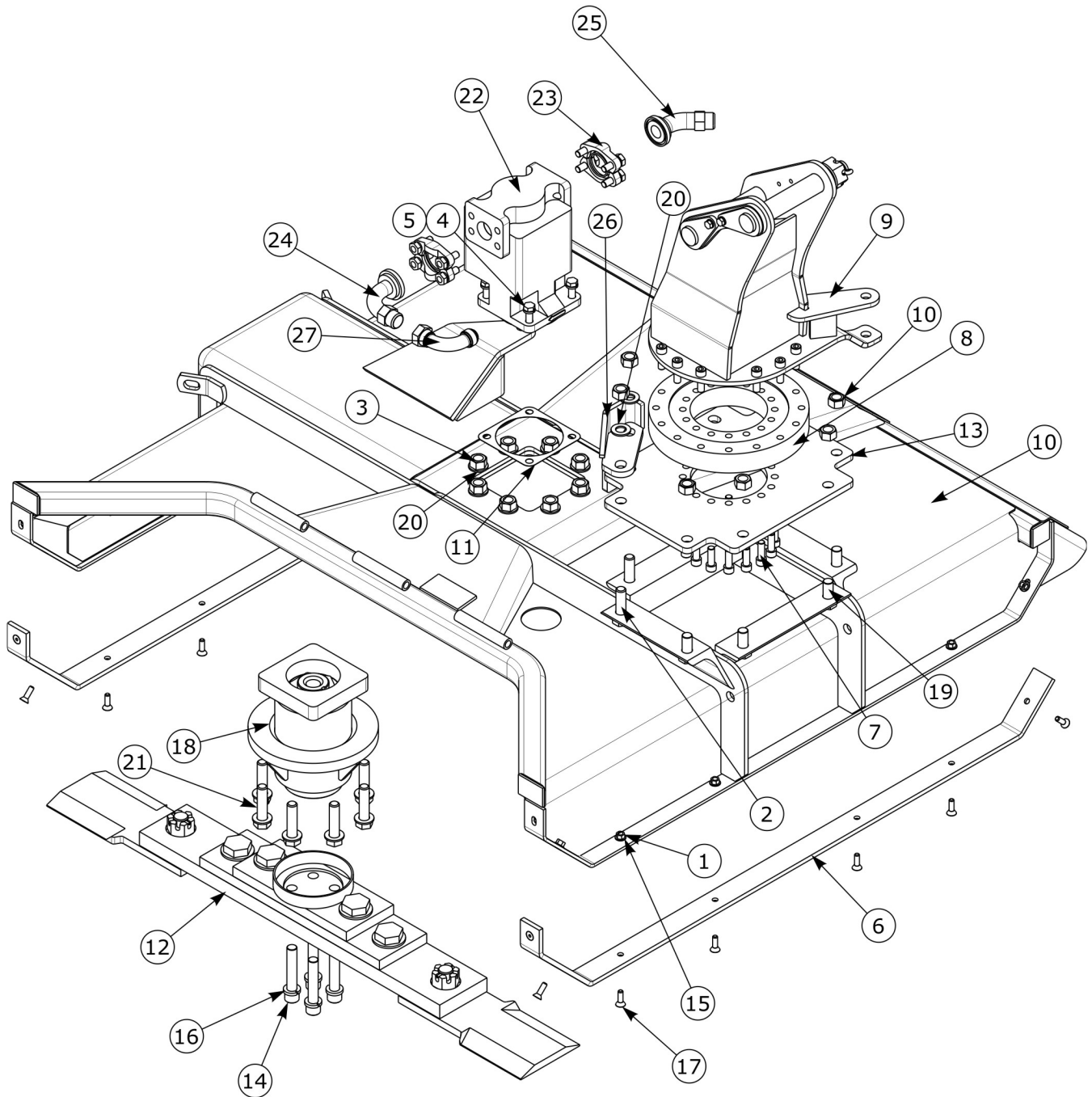


50 IN ROTARY - BLADE BAR - HEAD ASY (SWIVEL MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|------------------------------------|
| | 02986213 | 1 | ASY, 50" ROT,GEAR,BAR,SWIVEL |
| 1 | 02961480A | 1 | HYD CYLINDER 2BORE X 9-1/4 STROKE |
| 2 | 02982914 | 1 | WELDMENT, DOOR |
| 3 | 02982915 | 1 | ROD, HINGE |
| 4 | 99338S | 2 | PIN ROLL 1/4 X 3/4 |
| 5 | 02982919 | 2 | FLAP, 8 1/2 X 52 X 1/4 THK |
| 6 | 02982918 | 1 | BAR, HOLD DOWN, FLAP |
| 7 | 02982920 | 2 | FLAP, REAR 10 X 53 X 3/8 THK |
| 8 | 02982921 | 1 | BAR, CLAMP, REAR |
| 9 | 00011100 | 36 | FLATWASHER 3/8 STD |
| 10 | 00023100 | 9 | HHCS 3/8 X 1-1/2 NC PL GR5 |
| 11 | 00015800 | 18 | LOCKNUT TLM 3/8 NC PLC |
| 12 | 00007000 | 9 | HHCS 3/8 NC 1-3/4 PL5 |
| 13 | 02981315 | 1 | CYLINDER, 2.5B X 1.5R X 14.38S |
| 14 | 02981757 | 2 | WELDMENT, PIN, HITCH POST |
| 15 | 02971702 | 2 | FLATWASHER, 1-3/8 TYPE B PL NARROW |
| 16 | 02971701 | 2 | NUT, SLOTTED 1-3/8 12NF PLB |
| 17 | 165020 | 2 | PIN, COTTER 5/16 X 2-1/2 PL |
| 18 | 651102 | 1 | PIN-DRILLED |
| 19 | 02976448 | 1 | PIN - MACHINED HEAD |
| 20 | 00755153 | 2 | PIN, COTTER 3/16 X 1-1/2 PL |
| 21 | 03200267 | 1 | HHCS 3/4 NC 5 PL8 |
| 22 | 02963646 | 3 | HHCS 3/4 NC 2-1/2 PL8 |
| 23 | 00037200 | 18 | NUT 3/4 NC LOCKNUT |
| 24 | 02968837 | 1 | PLASTIC TIE, YELLOW & WHITE |
| 25 | 02968836 | 1 | PLASTIC TIE, YELLOW |
| 26 | 02960018 | 2 | ADP, HYD, ELBOW, 4MB-4MJ90 |
| 27 | 02968832 | 1 | PLASTIC TIE, GREEN |
| 28 | 02968833 | 1 | PLASTIC TIE, GREEN & WHITE |
| 29 | 03200762 | 2 | ADP, HYD 6MB-4MJ 90 |
| 30 | 02968894 | 1 | PLASTIC TIE, RED, 11LG |
| 31 | 02968896 | 1 | PLASTIC TIE, ORANGE, 11LG |
| 32 | 02972949 | 2 | BOLT, HHCS 3/8 NC 1-1/4 PL8 |
| 33 | 00012101 | 2 | LOCKWASHER, 3/8" PL |

50 IN ROTARY - BLADE BAR - HEAD SUB-ASY (SWIVEL MNT)

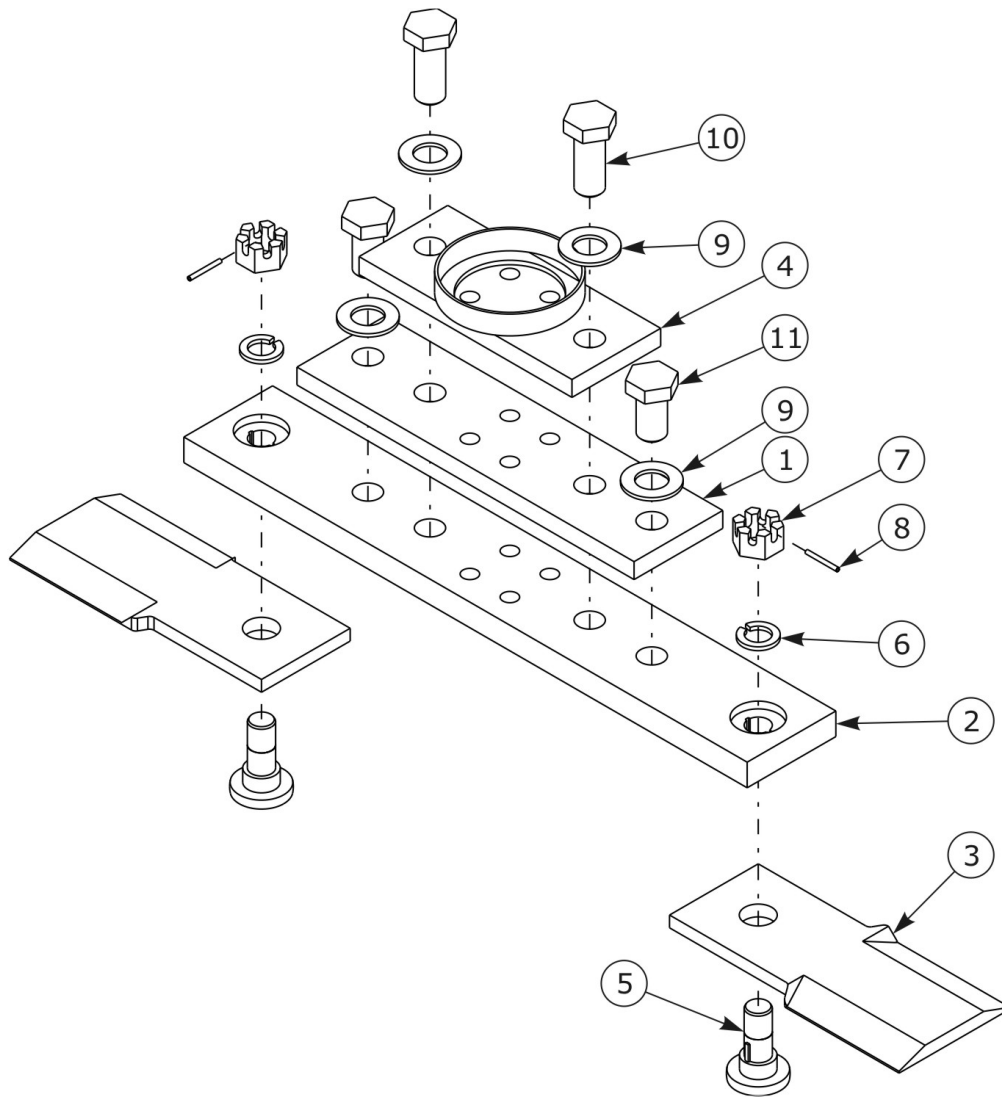


50 IN ROTARY - BLADE BAR - HEAD SUB-ASY (SWIVEL MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|------------------------------------|
| | 02986213 | 1 | ASY, 50" ROT,GEAR,BAR,SWIVEL |
| 1 | 00015800 | 18 | LOCKNUT TLM 3/8 NC PLC |
| 2 | 02963646 | 3 | HHCS 3/4 NC 2-1/2 PL8 |
| 3 | 00037200 | 18 | NUT 3/4 NC LOCKNUT |
| 4 | 02891800 | 4 | HHCS 1/2 NC 1-3/4 PL8 |
| 5 | 00019600 | 4 | LOCKWASHER 1/2 HEAVY |
| 6 | 02982907 | 2 | SKID SHOE |
| 7 | 02981820 | 28 | SHCS 1/2 NC X 1 1/2" LG PL8 |
| 8 | 02981318 | 1 | SLEWING BEARING, 12 OD X 5.8 ID |
| 9 | 02985319 | 1 | WELDMNT, HITCH POST |
| 10 | 02981411 | 1 | WELDMNT, DECK 50" HEAD |
| 11 | 02961038 | 1 | GASKET |
| 12 | 02982906 | 1 | ASY, BLADE BAR W/BLADES |
| 13 | 02981752 | 1 | PLATE, HITCH POST BOTTOM, MAVERICK |
| 14 | 02964861 | 4 | SHCS 3/4 NC 4" LG PL8 |
| 15 | 15B600 | 14 | WASHER 3/8 SAE P |
| 16 | 00003901 | 4 | LOCKWASHER 3/4 HEAVY |
| 17 | 00059700 | 14 | FSCS 3/8 NC X 1-1/4 |
| 18 | 02968859A | 1 | ASSEMBLY, SPINDLE HOUSING-SPLINED |
| 19 | 02892100 | 6 | HHCS 3/4 NC X 1 3/4" LG |
| 20 | 5312316 | 18 | FLATWASHER 3/4 HARDENED |
| 21 | 03200269 | 8 | HHCS 3/4 NC 3 PL8 |
| 22 | 02962112 | 1 | HYD MOTOR - CAST IRON SPLINED |
| 23 | 00749101 | 2 | SPLIT FLANGE KIT #24 |
| 24 | 00751842 | 1 | ADP HYD ELBOW 24FL - 16MJ - 90 |
| 25 | 00749104 | 1 | ADP HYD ELBOW 24FL - 16MJ - 45 |
| 26 | 02984002 | 1 | WLDMNT, STOP, SWIVEL |
| 27 | 02958858 | 1 | #16MJ-16FJ TUBE 90° |

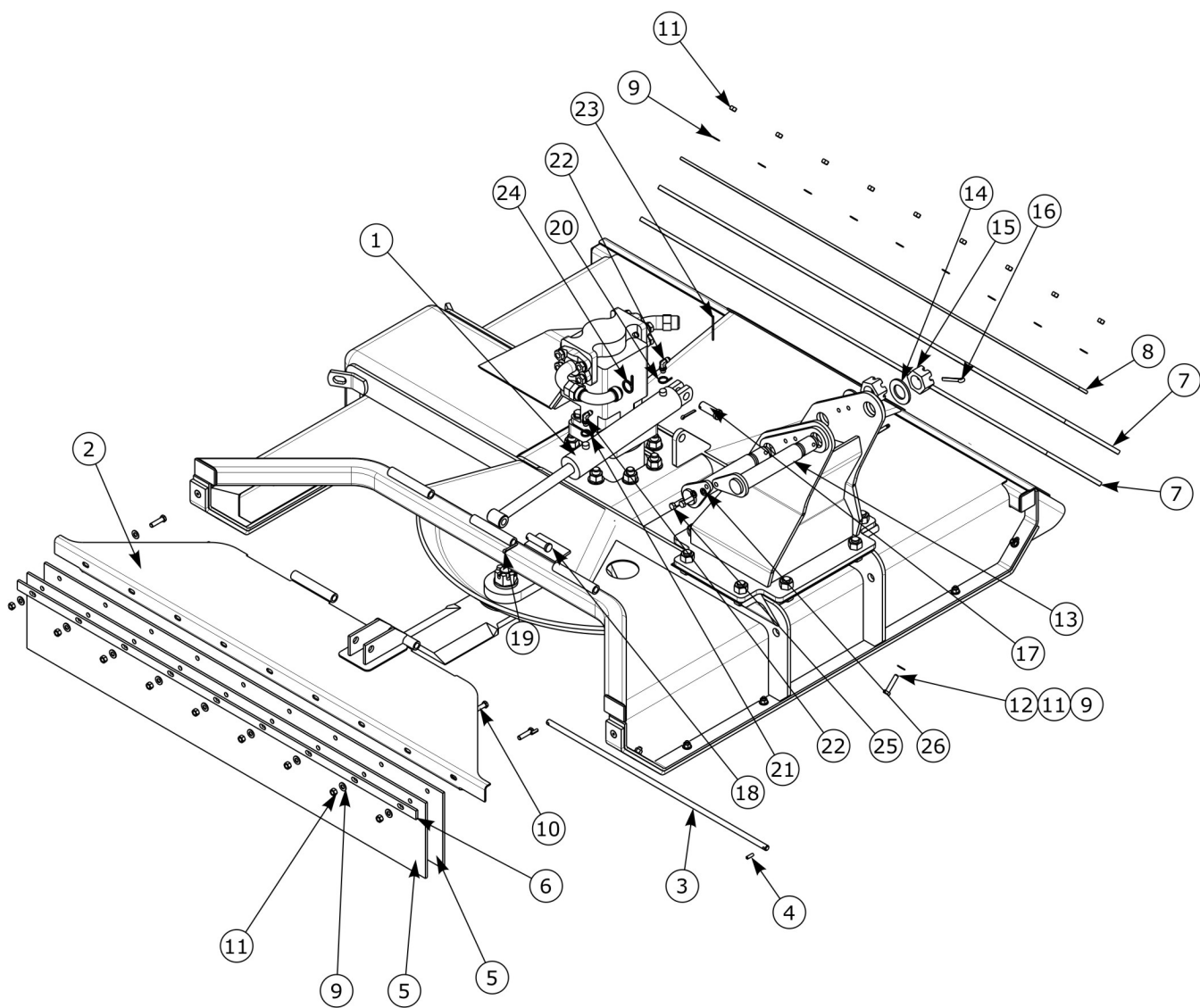
50 IN ROTARY - BLADE BAR ASY



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------------|
| | 02982906 | 1 | ASY, BLADE BAR W/BLADES |
| 1 | 02982912 | 1 | LEAF, MIDDLE, BLADE BAR |
| 2 | 02982913 | 1 | LEAF, BOTTOM, BLADE BAR |
| 3 | 02962635 | 2 | BLADE, CW ROTATION |
| 4 | 02982934 | 1 | WLDMT. TOP BLADE BAR |
| 5 | 02782900 | 2 | BOLT, BLADE |
| 6 | 02957089 | 2 | LOCKWASHER 1-1/8 PL STD |
| 7 | 00020900 | 2 | NUT, SLOTTED, HVY, 1-1/8NF PL GR5 |
| 8 | 00023200 | 2 | PIN, ROLL, 3/16X1-3/4 |
| 9 | 15C2000 | 4 | WASHER, 1.375 X 2.50 X .165, HARDENED |
| 10 | 02969235 | 2 | HHCS, 1-1/4X3 PL GR8 |
| 11 | 02969236 | 2 | HHCS, 1-1/4X2-1/4 PL GR8 |

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50 IN ROTARY - BLADE PAN - HEAD ASY (SOLID MNT)

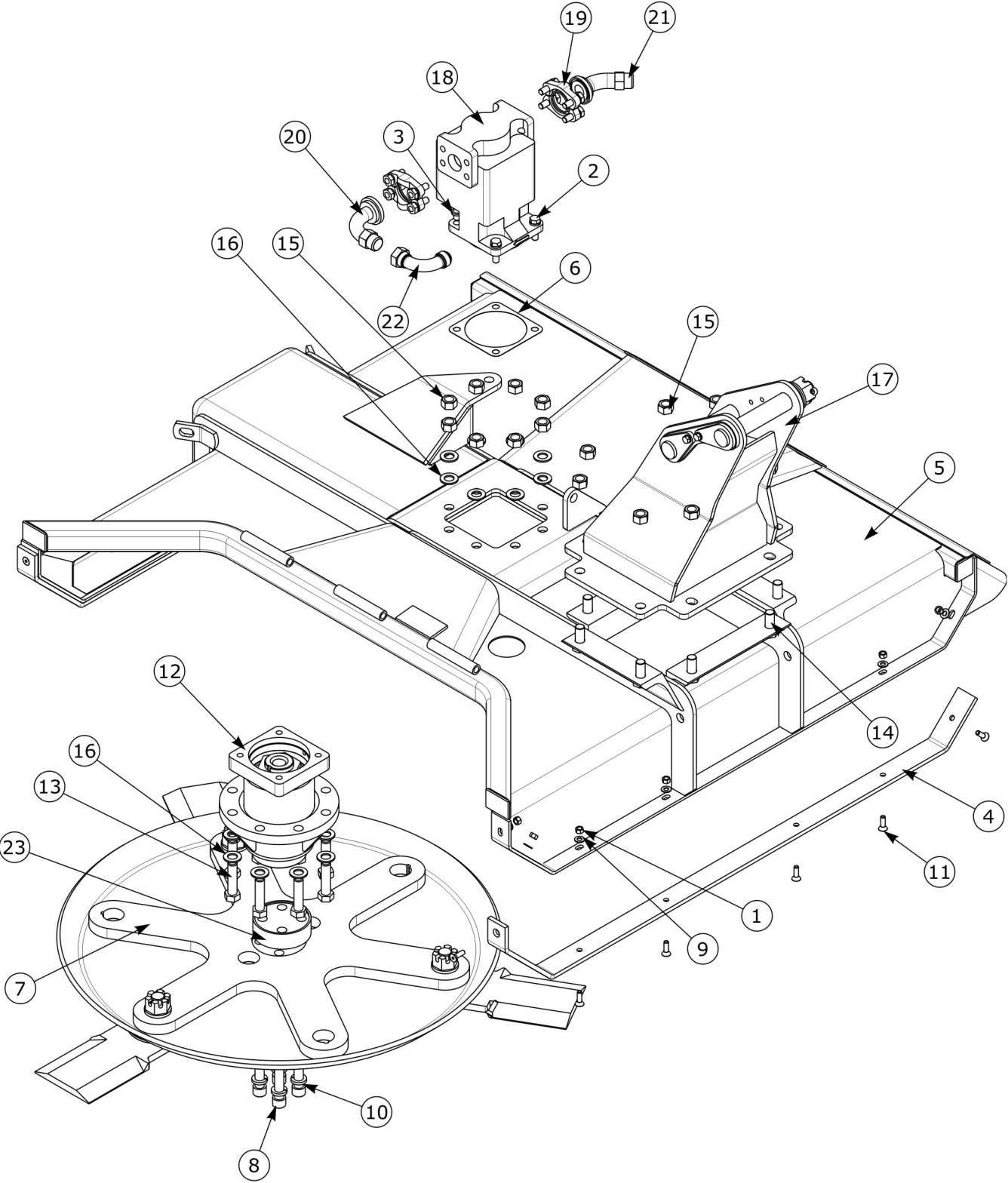


50 IN ROTARY - BLADE PAN - HEAD ASY (SOLID MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|------------------------------------|
| | 02986210 | 1 | ASY, 50" ROT, GEAR, PAN |
| 1 | 02961480A | 1 | HYD, CYLINDER 2B X 1R X 9-1/4S |
| 2 | 02982914 | 1 | WELDMENT, DOOR |
| 3 | 02982915 | 1 | ROD-HINGE |
| 4 | 99338S | 2 | PIN ROLL 1/4 X 3/4 |
| 5 | 02982919 | 2 | DEBRIS DEFLECTOR |
| 6 | 02982918 | 1 | FLAP HOLD DOWN BAR |
| 7 | 02982920 | 2 | REAR FLAP 10 X 53 X 3/8 THK |
| 8 | 02982921 | 1 | REAR CLAMP BAR |
| 9 | 00011100 | 36 | FLATWASHER 3/8 STD |
| 10 | 00023100 | 11 | HHCS 3/8 X 1-1/2 NC PL GR5 |
| 11 | 00015800 | 34 | LOCKNUT TLM 3/8 NC PLC |
| 12 | 00007000 | 9 | HHCS 3/8 NC 1-3/4 PL5 |
| 13 | 02981315 | 1 | CYLINDER, 2.5B X 1.5R X 14.38S |
| 14 | 02981757 | 2 | WELDMENT, PIN, HITCH POST |
| 15 | 02971702 | 2 | FLATWASHER, 1-3/8 TYPE B PL NARROW |
| 16 | 02971701 | 2 | NUT, SLOTTED 1-3/8 12NF PLB |
| 17 | 165020 | 2 | PIN, COTTER 5/16 X 2-1/2 PL |
| 18 | 651102 | 1 | PIN-DRILLED |
| 19 | 02976448 | 1 | PIN - MACHINED HEAD |
| 20 | 00755153 | 2 | PIN, COTTER 3/16 X 1-1/2 PL |
| 21 | 03200267 | 1 | HHCS 3/4 NC 5 PL8 |
| 22 | 02963646 | 1 | HHCS 3/4 NC 2-1/2 PL8 |
| 23 | 02968894 | 1 | PLASTIC TIE, RED, 11LG |
| 24 | 02968896 | 1 | PLASTIC TIE, ORANGE, 11LG |
| 25 | 02972949 | 2 | BOLT, HHCS 3/8 NC 1-1/4 PL8 |
| 26 | 00012101 | 2 | LOCKWASHER, 3/8" PL |

50 IN ROTARY - BLADE PAN - HEAD SUB-ASY (SOLID MNT)

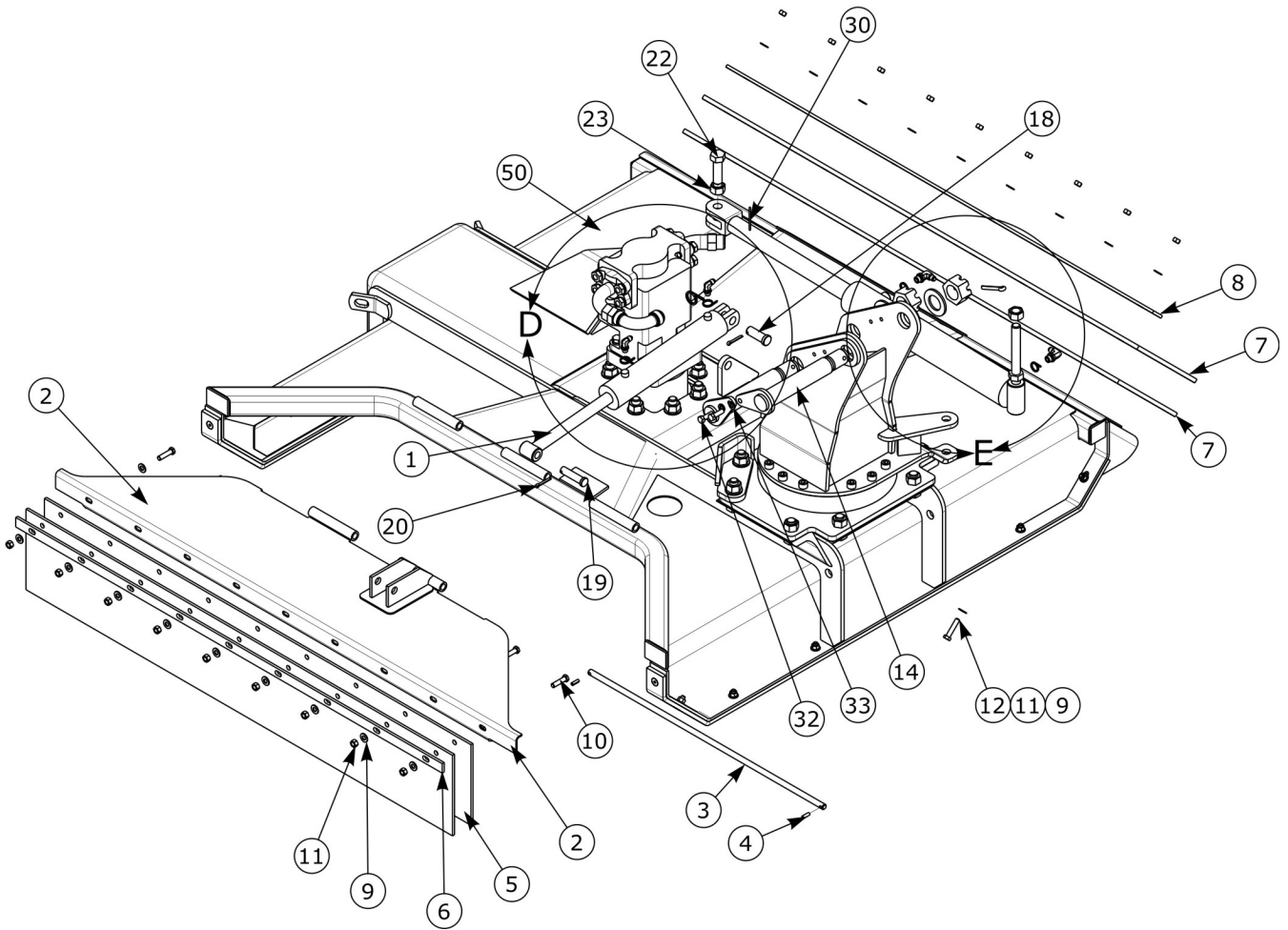
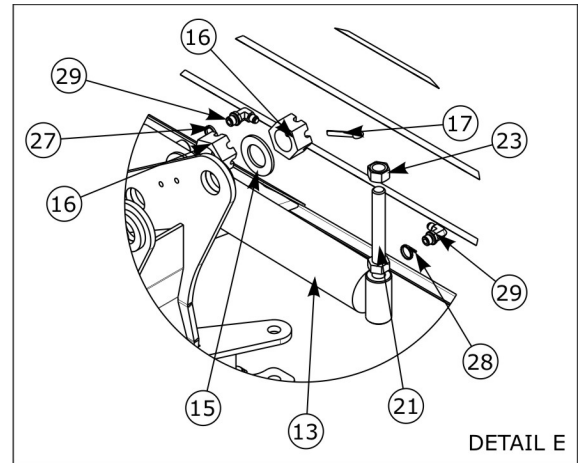
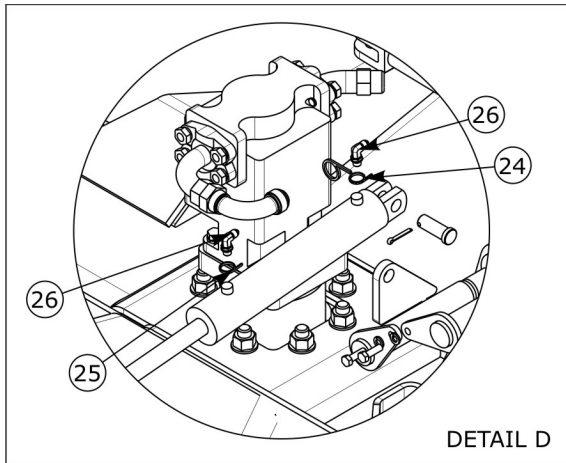


50 IN ROTARY - BLADE PAN - HEAD SUB-ASY (SOLID MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|-----------------------------------|
| | 02986210 | 1 | ASY, 50" ROT, GEAR, PAN |
| 1 | 00015800 | 32 | LOCKNUT TLM 3/8 NC PLC |
| 2 | 02891800 | 4 | HHCS 1/2 NC 1-3/4 PL8 |
| 3 | 00019600 | 4 | LOCKWASHER 1/2 HEAVY |
| 4 | 02982907 | 2 | SKID SHOE |
| 5 | 02981411 | 1 | WELDMENT, DECK 50" HEAD |
| 6 | 02961038 | 1 | GASKET |
| 7 | 02964457 | 1 | PAN ASSY 50" HEAD |
| 8 | 02964861 | 4 | SHCS 3/4 NC 4" LG PL8 |
| 9 | 15B600 | 14 | WASHER 3/8 SAE P |
| 10 | 00003901 | 4 | LOCKWASHER 3/4 HEAVY |
| 11 | 00059700 | 14 | FSCS 3/8 NC X 1-1/4 |
| 12 | 02968859A | 1 | ASSEMBLY, SPINDLE HOUSING-SPLINED |
| 13 | 03200269 | 8 | HHCS 3/4 NC 3 PL8 |
| 14 | 02892100 | 8 | HHCS 3/4 NC X 1 3/4" LG |
| 15 | 00037200 | 16 | NUT 3/4 NC LOCKNUT |
| 16 | 5312316 | 16 | FLATWASHER 3/4 HARDENED |
| 17 | 02986200 | 1 | WELDMENT, HITCH POST |
| 18 | 02962112 | 1 | HYD MOTOR - CAST IRON SPLINED |
| 19 | 00749101 | 2 | SPLIT FLANGE KIT #24 |
| 20 | 00751842 | 1 | ADP HYD ELBOW 24FL - 16MJ - 90 |
| 21 | 00749104 | 1 | ADP HYD ELBOW 24FL - 16MJ - 45 |
| 22 | 02958858 | 1 | #16MJ-16FJ TUBE 90° |
| 23 | 02984822 | 1 | SPACER BLADE PAN |
| 24 | 02972949 | 2 | BOLT, HHCS 3/8 NC 1-1/4 PL8 |
| 25 | 00012101 | 2 | LOCKWASHER, 3/8" PL |

50 IN ROTARY - BLADE PAN - HEAD ASY (SWIVEL MNT)

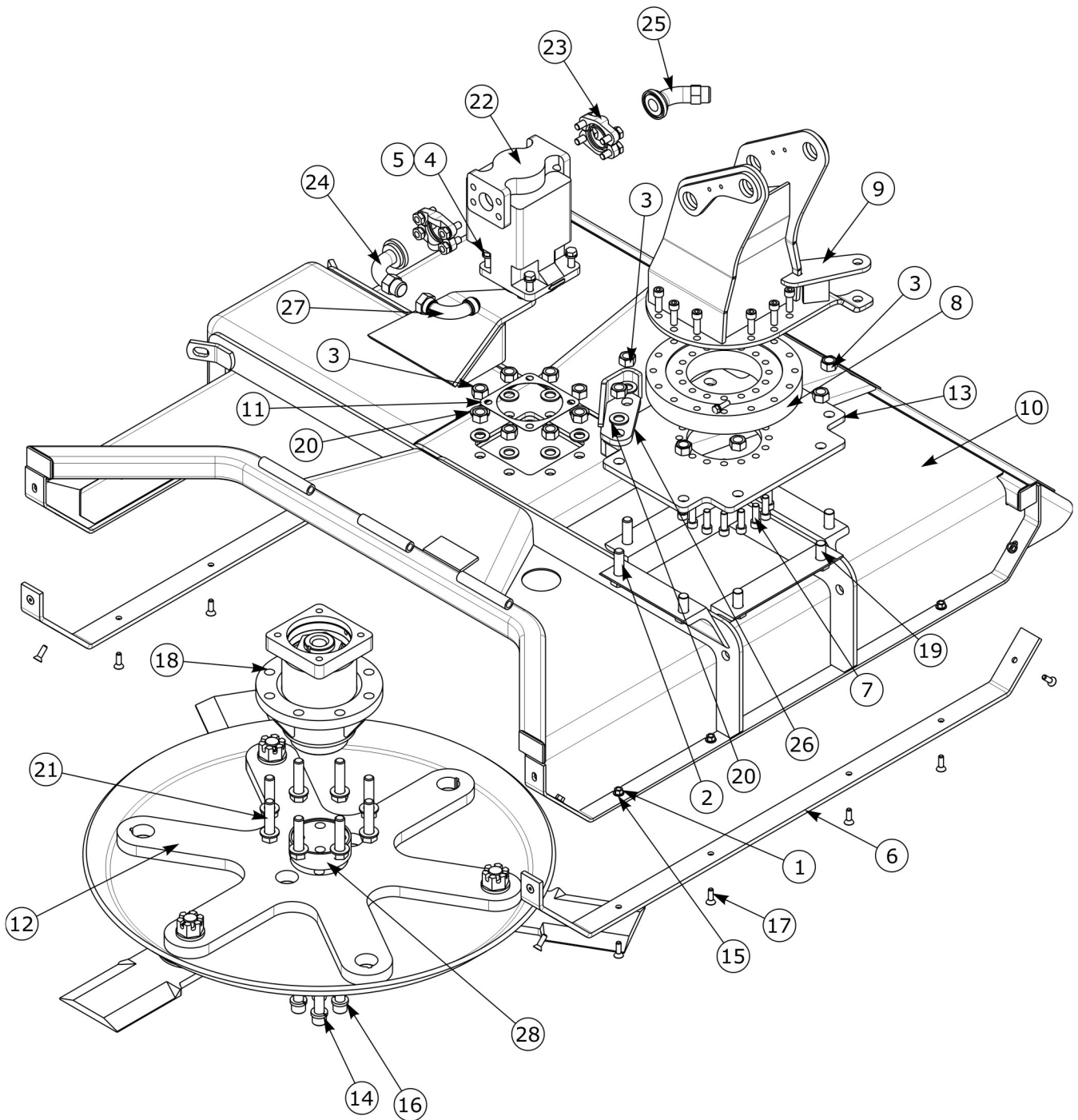


50 IN ROTARY - BLADE PAN - HEAD ASY (SWIVEL MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|------------------------------------|
| | 02986212 | 1 | ASY, 50" ROT,GEAR,PAN,SWIVEL |
| 1 | 02961480A | 1 | HYD CYLINDER 2BORE X 9-1/4 STROKE |
| 2 | 02982914 | 1 | WELDMENT, DOOR |
| 3 | 02982915 | 1 | ROD, HINGE |
| 4 | 99338S | 2 | PIN ROLL 1/4 X 3/4 |
| 5 | 02982919 | 2 | FLAP, 8 1/2 X 52 X 1/4 THK |
| 6 | 02982918 | 1 | BAR, HOLD DOWN, FLAP |
| 7 | 02982920 | 2 | FLAP, REAR 10 X 53 X 3/8 THK |
| 8 | 02982921 | 1 | BAR, CLAMP, REAR |
| 9 | 00011100 | 36 | FLATWASHER 3/8 STD |
| 10 | 00023100 | 9 | HHCS 3/8 X 1-1/2 NC PL GR5 |
| 11 | 00015800 | 18 | LOCKNUT TLM 3/8 NC PLC |
| 12 | 00007000 | 9 | HHCS 3/8 NC 1-3/4 PL5 |
| 13 | 02981315 | 1 | CYLINDER, 2.5B X 1.5R X 14.38S |
| 14 | 02981757 | 2 | WELDMENT, PIN, HITCH POST |
| 15 | 02971702 | 2 | FLATWASHER, 1-3/8 TYPE B PL NARROW |
| 16 | 02971701 | 2 | NUT, SLOTTED 1-3/8 12NF PLB |
| 17 | 165020 | 2 | PIN, COTTER 5/16 X 2-1/2 PL |
| 18 | 651102 | 1 | PIN-DRILLED |
| 19 | 02976448 | 1 | PIN - MACHINED HEAD |
| 20 | 00755153 | 2 | PIN, COTTER 3/16 X 1-1/2 PL |
| 21 | 03200267 | 1 | HHCS 3/4 NC 5 PL8 |
| 22 | 02963646 | 3 | HHCS 3/4 NC 2-1/2 PL8 |
| 23 | 00037200 | 18 | NUT 3/4 NC LOCKNUT |
| 24 | 02968837 | 1 | PLASTIC TIE, YELLOW & WHITE |
| 25 | 02968836 | 1 | PLASTIC TIE, YELLOW |
| 26 | 02960018 | 2 | ADP, HYD, ELBOW, 4MB-4MJ90 |
| 27 | 02968832 | 1 | PLASTIC TIE, GREEN |
| 28 | 02968833 | 1 | PLASTIC TIE, GREEN & WHITE |
| 29 | 03200762 | 2 | ADP, HYD 6MB-4MJ 90 |
| 30 | 02968894 | 1 | PLASTIC TIE, RED, 11LG |
| 31 | 02968896 | 1 | PLASTIC TIE, ORANGE, 11LG |
| 32 | 02972949 | 2 | BOLT, HHCS 3/8 NC 1-1/4 PL8 |
| 33 | 00012101 | 2 | LOCKWASHER, 3/8" PL |

50 IN ROTARY - BLADE PAN - HEAD SUB-ASY (SWIVEL MNT)

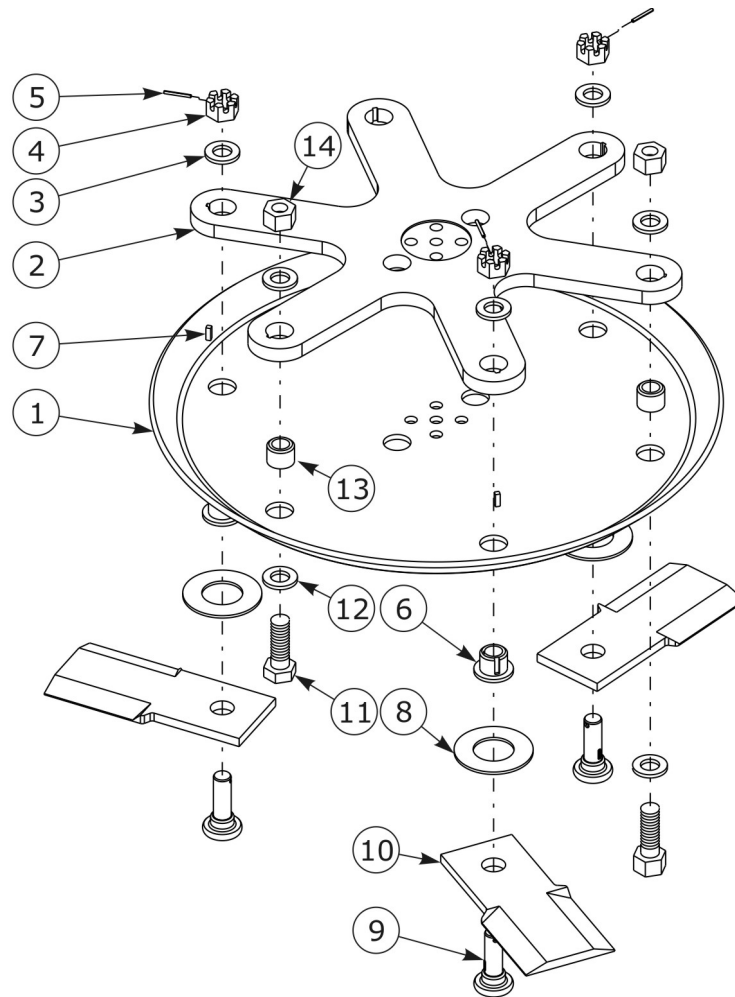


50 IN ROTARY - BLADE PAN - HEAD SUB-ASY (SWIVEL MNT)

Continued...

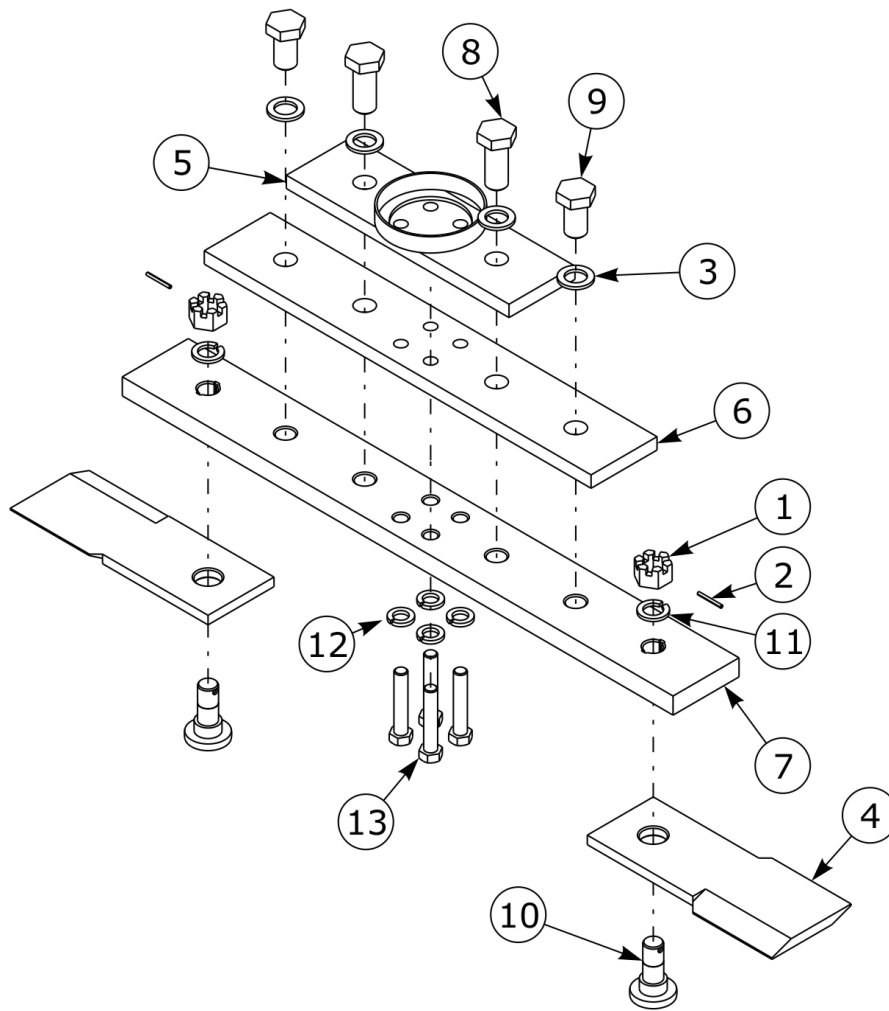
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|------------------------------------|
| | 02986212 | 1 | ASY, 50" ROT,GEAR,PAN,SWIVEL |
| 1 | 00015800 | 18 | LOCKNUT TLM 3/8 NC PLC |
| 2 | 02963646 | 3 | HHCS 3/4 NC 2-1/2 PL8 |
| 3 | 00037200 | 18 | NUT 3/4 NC LOCKNUT |
| 4 | 02891800 | 4 | HHCS 1/2 NC 1-3/4 PL8 |
| 5 | 00019600 | 4 | LOCKWASHER 1/2 HEAVY |
| 6 | 02982907 | 2 | SKID SHOE |
| 7 | 02981820 | 28 | SHCS 1/2 NC X 1 1/2" LG PL8 |
| 8 | 02981318 | 1 | SLEWING BEARING, 12 OD X 5.8 ID |
| 9 | 02985319 | 1 | WELDMNT, HITCH POST |
| 10 | 02981411 | 1 | WELDMNT, DECK 50" HEAD |
| 11 | 02961038 | 1 | GASKET |
| 12 | 02964457 | 1 | PAN ASSY 50" HEAD |
| 13 | 02981752 | 1 | PLATE, HITCH POST BOTTOM, MAVERICK |
| 14 | 02964861 | 4 | SHCS 3/4 NC 4" LG PL8 |
| 15 | 15B600 | 14 | WASHER 3/8 SAE P |
| 16 | 00003901 | 4 | LOCKWASHER 3/4 HEAVY |
| 17 | 00059700 | 14 | FSCS 3/8 NC X 1-1/4 |
| 18 | 02968859A | 1 | ASSEMBLY, SPINDLE HOUSING-SPLINED |
| 19 | 02892100 | 6 | HHCS 3/4 NC X 1 3/4" LG |
| 20 | 5312316 | 18 | FLATWASHER 3/4 HARDENED |
| 21 | 03200269 | 8 | HHCS 3/4 NC 3 PL8 |
| 22 | 02962112 | 1 | HYD MOTOR - CAST IRON SPLINED |
| 23 | 00749101 | 2 | SPLIT FLANGE KIT #24 |
| 24 | 00751842 | 1 | ADP HYD ELBOW 24FL - 16MJ - 90 |
| 25 | 00749104 | 1 | ADP HYD ELBOW 24FL - 16MJ - 45 |
| 26 | 02984002 | 1 | WLDMNT, STOP, SWIVEL |
| 27 | 02958858 | 1 | #16MJ-16FJ TUBE 90° |
| 28 | 02984822 | 1 | SPACER BLADE PAN |
| 29 | 02972949 | 2 | BOLT, HHCS 3/8 NC 1-1/4 PL8 |
| 30 | 00012101 | 2 | LOCKWASHER, 3/8" PL |

50 IN ROTARY - BLADE PAN ASY



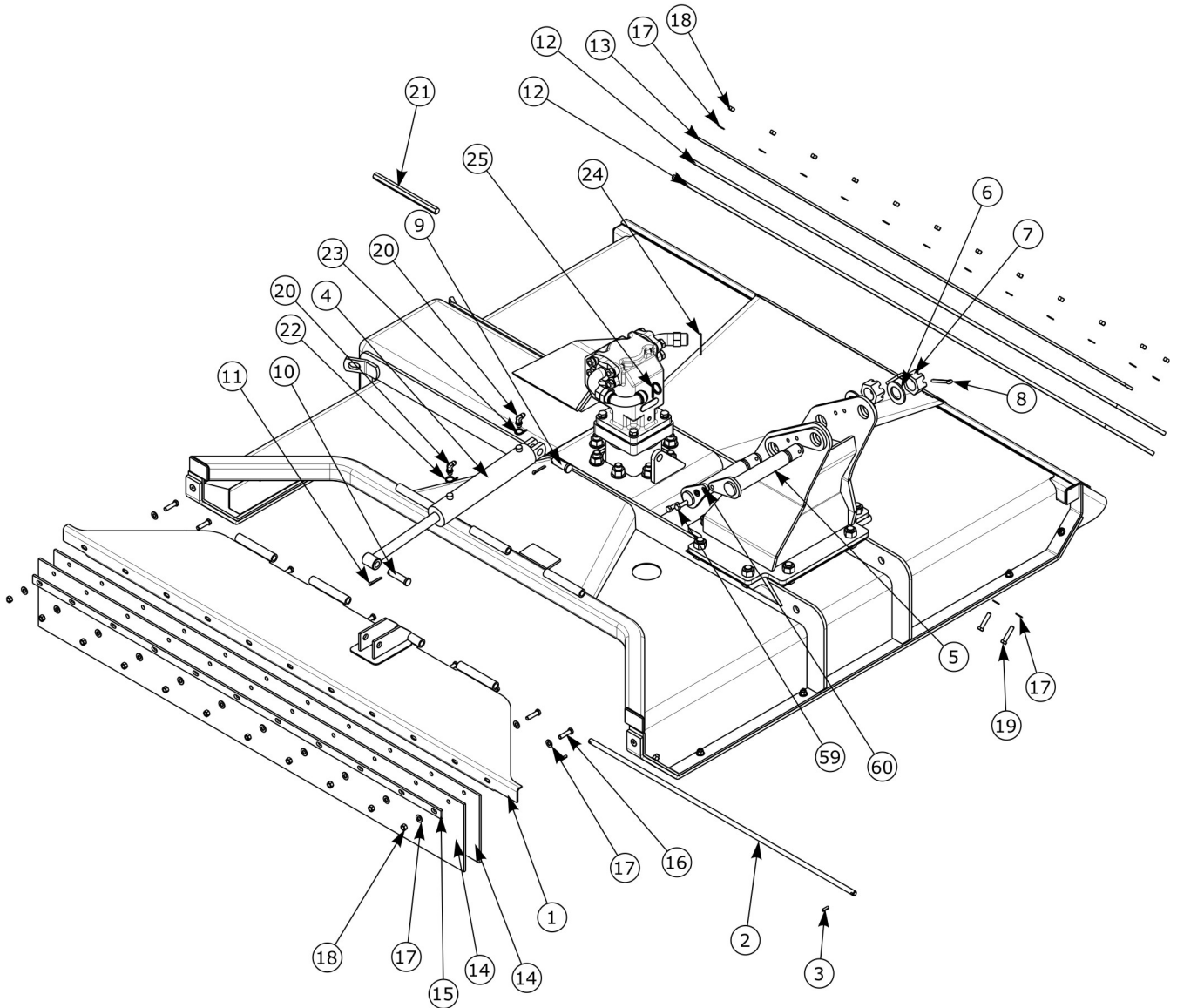
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| | 02964457 | 1 | PAN ASSEMBLY 50 SAMURAI |
| | 02964804 | 1 | PAN SUB ASSEMBLY |
| 1 | 02964826 | 1 | PAN,MACHINED 28.00 BC |
| 2 | 02964828 | 1 | SPIDER, MACHNED 28.00 BC |
| 3 | 00755623 | 3 | WASHER 2.200 OD1.218 1DX.250 |
| 4 | 00020900 | 3 | NUT SLOT HVY 1-1/8 NF PL5 |
| 5 | 00023200 | 3 | PIN ROLL 3/16X1-3/4 |
| 6 | 02964815 | 4 | BUSHING, BLADE BOLT |
| 7 | 02964954 | 3 | KEY,5/16 SQ X 15/16 LONG |
| 8 | 02965229 | 3 | WASHER, 2-19/32 ID 5.0 OD 3/16 |
| 9 | 02964330 | 3 | KEYED BLADE BOLT |
| 10 | 02962722 | 1 | BLADES-SET OF 3(50B/A HEAD) |
| 11 | 7A16824 | 3 | HHCS 1 NC 3 PL5 |
| 12 | 00748547 | 6 | FLATWASHER 1-1/32 X |
| 13 | 02964162 | 3 | SPACER BLADE PAN WITH SPIDER |
| 14 | 02030300 | 3 | NUT TOPLOCK 1 NC PLB |

60 IN ROTARY - BLADE BAR ASY



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| | 02969230 | 1 | BLADE BAR ASY, W/ BLADES |
| 1 | 00020900 | 2 | HEX SLOTTED NUT, HVY 1-1/8"-NF PL GR5 |
| 2 | 00023200 | 2 | ROLL PIN, 3/16" X 1-3/4" |
| 3 | 02969234 | 4 | FLATWASHER, 1-1/4" HARDENED PL |
| 4 | 02761500 | 1 | BLADE SET, MATCHED SET OF TWO |
| 5 | 02971387 | 1 | LEAF BLADE BAR, TOP |
| 6 | 02969232 | 1 | LEAF BLADE BAR, MIDDLE |
| 7 | 02969233 | 1 | LEAF BLADE BAR, BOTTOM |
| 8 | 02969235 | 2 | BOLT, HEX HEAD 1-1/4"-NC X 3" PL GR8 |
| 9 | 02969236 | 2 | BOLT, HEX HEAD 1-1/4"-NC X 2-1/4" PL GR8 |
| 10 | 02782900 | 2 | BLADE BOLT, SHOULDERED |
| 11 | 02957089 | 2 | LOCKWASHER, 1-1/8" PL STD |
| 12 | 00003901 | 4 | LOCKWASHER, 3/4" PL HEAVY |
| 13 | 02964861 | 4 | BOLT, SOCKET HEAD 3/4"-NC X 4" PL GR8 |
| 14 | 02984572 | 1 | BLADE BOLTS, NUTS, ROLLPIN KIT (INCLUDES 2 EACH OF ITEMS 1, 2, & 10) |

60 IN ROTARY - HEAD ASY (SOLID MNT)



60 IN ROTARY - HEAD ASY (SOLID MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|------------------------------------|
| | 02986203 | 1 | ASY,60" ROT, GEAR, BAR |
| 1 | 02971963 | 1 | WELDMENT, DOOR |
| 2 | 02967782 | 1 | ROD-HINGE |
| 3 | 99338S | 2 | PIN ROLL 1/4 X 3/4 |
| 4 | 02961480A | 1 | HYD CYLINDER 2BORE X 9-1/4 STROKE |
| 5 | 02981757 | 2 | WELDMENT, PIN, HITCH POST |
| 6 | 02971702 | 2 | FLATWASHER, 1-3/8 TYPE B PL NARROW |
| 7 | 02971701 | 2 | NUT, SLOTTED 1-3/8 12NF PLB |
| 8 | 165020 | 2 | PIN, COTTER 5/16 X 2-1/2 PL |
| 9 | 651102 | 1 | PIN-DRILLED |
| 10 | 02976448 | 1 | PIN - MACHINED HEAD |
| 11 | 00755153 | 2 | PIN, COTTER 3/16 X 1-1/2 PL |
| 12 | 02885700 | 2 | REAR FLAP 10 X 63 X 3/8 THK |
| 13 | 02885800 | 1 | REAR CLAMP BAR |
| 14 | 00759862 | 2 | DEBRIS DEFLECTOR |
| 15 | 00756875 | 1 | FLAP HOLD DOWN BAR |
| 16 | 00023100 | 11 | HHCS 3/8 X 1-1/2 NC PL GR5 |
| 17 | 00011100 | 46 | FLATWASHER 3/8 STD |
| 18 | 00015800 | 37 | LOCKNUT TLM 3/8 NC PLC |
| 19 | 00007000 | 12 | HHCS 3/8 NC 1-3/4 PL5 |
| 20 | 02960018 | 2 | ADP, HYD, ELBOW, 4MB-4MJ90 |
| 21 | 02767500 | 1 | MODIFIED 5/8 HAE WRENCH |
| 22 | 02968836 | 1 | PLASTIC TIE, YELLOW |
| 23 | 02968837 | 1 | PLASTIC TIE, YELLOW & WHITE |
| 24 | 02968894 | 1 | PLASTIC TIE, RED, 11LG |
| 25 | 02968896 | 1 | PLASTIC TIE, ORANGE, 11LG |
| 26 | 02972949 | 2 | BOLT, HHCS 3/8 NC 1-1/4 PL8 |
| 27 | 00012101 | 2 | LOCKWASHER, 3/8" PL |

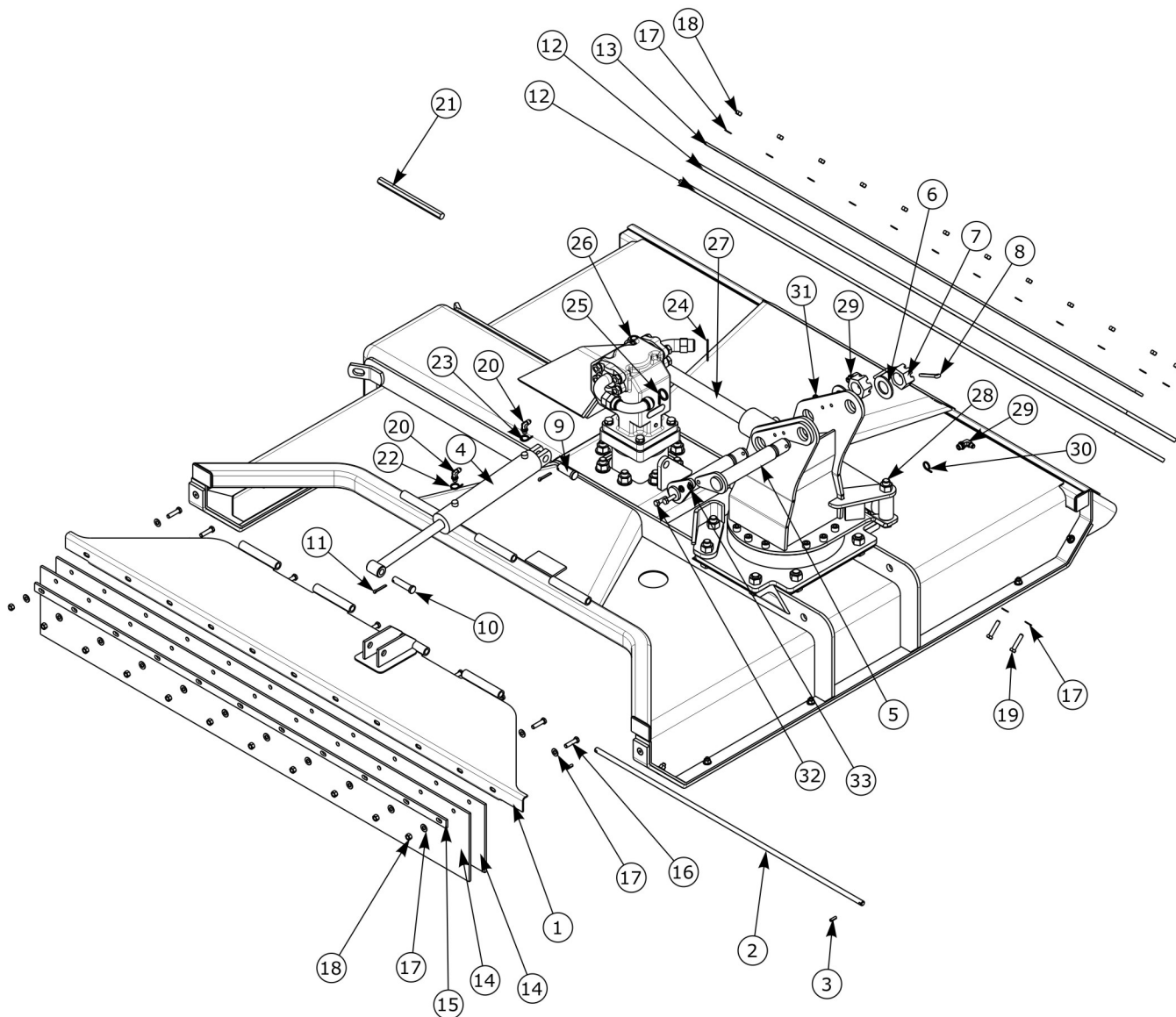
Samurai High Frame (12-08)

60 IN ROTARY - HEAD SUB-ASY (SOLID MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|-----------------------------------|
| | 02986203 | 1 | ASY,60" ROT, GEAR, BAR |
| 1 | 00015800 | 37 | LOCKNUT TLM 3/8 NC PLC |
| 2 | 00751842 | 1 | ADP HYD ELBOW 24FL - 16MJ - 90 |
| 3 | 00749104 | 1 | ADP HYD ELBOW 24FL - 16MJ - 45 |
| 4 | 02892100 | 8 | HHCS 3/4 NC X 1 3/4" LG |
| 5 | 00037200 | 16 | NUT 3/4 NC LOCKNUT |
| 6 | 00019600 | 4 | LOCKWASHER 1/2 HEAVY |
| 7 | 03200269 | 8 | HHCS 3/4 NC 3 PL8 |
| 8 | 02962112 | 1 | HYD GEAR MOTOR 5.73 CID |
| 9 | 02891800 | 4 | HHCS 1/2 NC 1-3/4 PL8 |
| 10 | 02961038 | 1 | GASKET |
| 11 | 15B600 | 14 | WASHER 3/8 SAE P |
| 12 | 00059700 | 14 | FSCS 3/8 NC X 1-1/4 |
| 13 | 00003901 | 4 | LOCKWASHER 3/4 HEAVY |
| 14 | 02966899 | 2 | SKID SHOE |
| 15 | 02969230 | 1 | ASY, BLADE BAR W/BLADES |
| 16 | 02964861 | 4 | SHCS 3/4 NC 4" LG PL8 |
| 17 | 02968859A | 1 | ASSEMBLY, SPINDLE HOUSING-SPLINED |
| 18 | 5312316 | 16 | FLATWASHER 3/4 HARDENED |
| 19 | 02981410 | 1 | WELDMENT,60" ROTARY,SWIVEL |
| 20 | 02986200 | 1 | WELDMENT, HITCH POST |
| 21 | 00749101 | 2 | SPLIT FLANGE KIT #24 |
| 22 | 02958858 | 1 | #16MJ-16FJ TUBE 90° |

60 IN ROTARY - HEAD ASY (SWIVEL MNT)

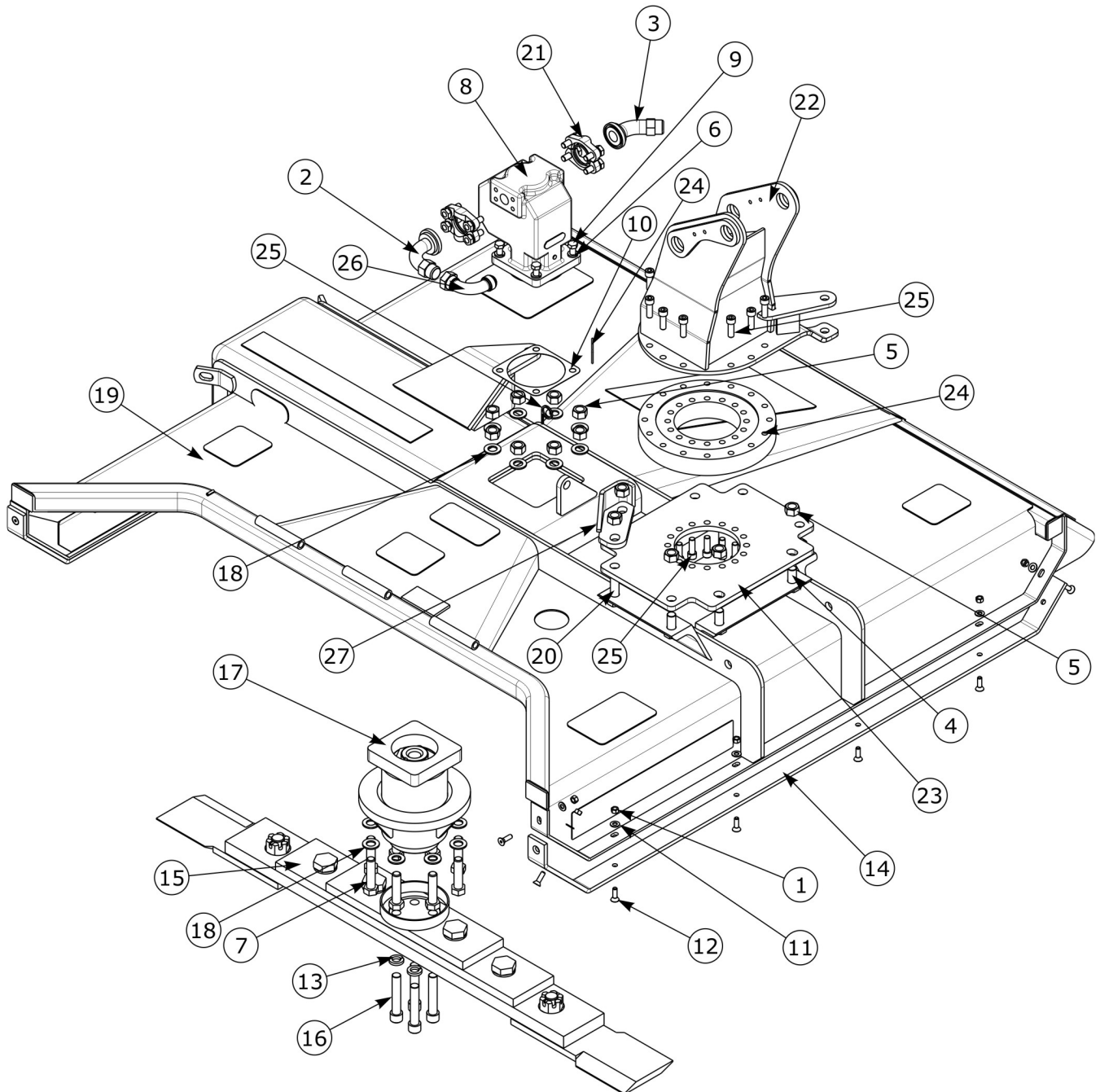


60 IN ROTARY - HEAD ASY (SWIVEL MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|------------------------------------|
| | 02986190 | 1 | ASY, 60" ROT,GEAR,BAR,SWIVEL |
| 1 | 02971963 | 1 | WELDMENT, DOOR |
| 2 | 02967782 | 1 | ROD-HINGE |
| 3 | 99338S | 2 | PIN ROLL 1/4 X 3/4 |
| 4 | 02961480A | 1 | HYD CYLINDER 2BORE X 9-1/4 STROKE |
| 5 | 02981757 | 2 | WELDMENT, PIN, HITCH POST |
| 6 | 02971702 | 2 | FLATWASHER, 1-3/8 TYPE B PL NARROW |
| 7 | 02971701 | 2 | NUT, SLOTTED 1-3/8 12NF PLB |
| 8 | 165020 | 2 | PIN, COTTER 5/16 X 2-1/2 PL |
| 9 | 651102 | 1 | PIN-DRILLED |
| 10 | 02976448 | 1 | PIN - MACHINED HEAD |
| 11 | 00755153 | 2 | PIN, COTTER 3/16 X 1-1/2 PL |
| 12 | 02885700 | 2 | REAR FLAP 10 X 63 X 3/8 THK |
| 13 | 02885800 | 1 | REAR CLAMP BAR |
| 14 | 00759862 | 2 | DEBRIS DEFLECTOR |
| 15 | 00756875 | 1 | FLAP HOLD DOWN BAR |
| 16 | 00023100 | 11 | HHCS 3/8 X 1-1/2 NC PL GR5 |
| 17 | 00011100 | 46 | FLATWASHER 3/8 STD |
| 18 | 00015800 | 37 | LOCKNUT TLM 3/8 NC PLC |
| 19 | 00007000 | 12 | HHCS 3/8 NC 1-3/4 PL5 |
| 20 | 02960018 | 2 | ADP, HYD, ELBOW, 4MB-4MJ90 |
| 21 | 02767500 | 1 | MODIFIED 5/8 HAE WRENCH |
| 22 | 02968836 | 1 | PLASTIC TIE, YELLOW |
| 23 | 02968837 | 1 | PLASTIC TIE, YELLOW & WHITE |
| 24 | 02968894 | 1 | PLASTIC TIE, RED, 11LG |
| 25 | 02968896 | 1 | PLASTIC TIE, ORANGE, 11LG |
| 26 | 02963646 | 3 | HHCS 3/4 NC 2-1/2 PL8 |
| 27 | 02981315 | 1 | CYLINDER, 2.5B X 1.5R X 14.38S |
| 28 | 02960916 | 1 | HHCS 3/4 NC 5 PL8 |
| 29 | 03200762 | 2 | ADP, HYD 6MB-4MJ 90 |
| 30 | 02968833 | 1 | PLASTIC TIE, GREEN & WHITE |
| 31 | 02968832 | 1 | PLASTIC TIE, GREEN |
| 32 | 02972949 | 2 | BOLT, HHCS 3/8 NC 1-1/4 PL8 |
| 33 | 00012101 | 2 | LOCKWASHER, 3/8" PL |

60 IN ROTARY - HEAD SUB-ASY (SWIVEL MNT)

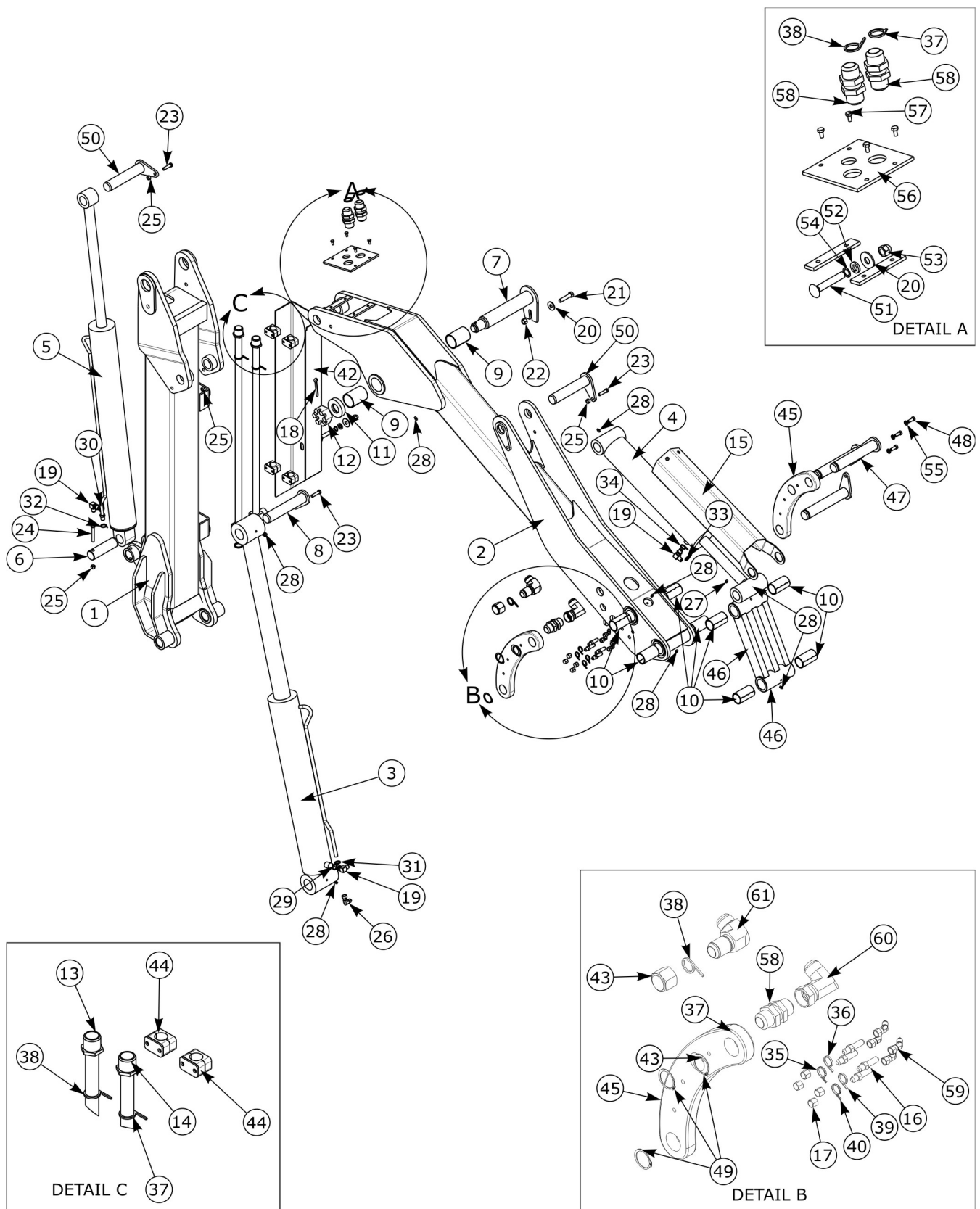


60 IN ROTARY - HEAD SUB-ASY (SWIVEL MNT)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|-------------------------------------|
| | 02986190 | 1 | ASY, 60" ROT,GEAR,BAR,SWIVEL |
| 1 | 00015800 | 37 | LOCKNUT TLM 3/8 NC PLC |
| 2 | 00751842 | 1 | ADP HYD ELBOW 24FL - 16MJ - 90 |
| 3 | 00749104 | 1 | ADP HYD ELBOW 24FL - 16MJ - 45 |
| 4 | 02892100 | 6 | HHCS 3/4 NC X 1 3/4" LG |
| 5 | 00037200 | 18 | NUT 3/4 NC LOCKNUT |
| 6 | 00019600 | 4 | LOCKWASHER 1/2 HEAVY |
| 7 | 03200269 | 8 | HHCS 3/4 NC 3 PL8 |
| 8 | 02961747 | 1 | HYD MOTOR, CAST IRON, SPLINED, M365 |
| 9 | 02891800 | 4 | HHCS 1/2 NC 1-3/4 PL8 |
| 10 | 02961038 | 1 | GASKET |
| 11 | 15B600 | 14 | WASHER 3/8 SAE P |
| 12 | 00059700 | 14 | FSCS 3/8 NC X 1-1/4 |
| 13 | 00003901 | 4 | LOCKWASHER 3/4 HEAVY |
| 14 | 02966899 | 2 | SKID SHOE |
| 15 | 02969230 | 1 | ASY, BLADE BAR W/BLADES |
| 16 | 02964861 | 4 | SHCS 3/4 NC 4" LG PL8 |
| 17 | 02968859A | 1 | ASSEMBLY, SPINDLE HOUSING-SPLINED |
| 18 | 5312316 | 16 | FLATWASHER 3/4 HARDENED |
| 19 | 02981410 | 1 | WELDMENT,60" ROTARY,SWIVEL |
| 20 | 02963646 | 3 | HHCS 3/4 NC 2-1/2 PL8 |
| 21 | 00749101 | 2 | SPLIT FLANGE KIT #24 |
| 22 | 02985319 | 1 | WELDMENT, HITCH POST |
| 23 | 02981752 | 1 | PLATE, HITCH POST BOTTOM, MAVERICK |
| 24 | 02981318 | 1 | SLEWING BEARING, 12 OD X 5.8 ID |
| 25 | 02981820 | 28 | SHCS 1/2 NC X 1 1/2" LG PL8 |
| 26 | 02958858 | 1 | #16MJ-16FJ TUBE 90° |
| 27 | 02984002 | 1 | WLDMNT, STOP, SWIVEL |

BOOM ASY - 18 FT BOOM (PART 1)



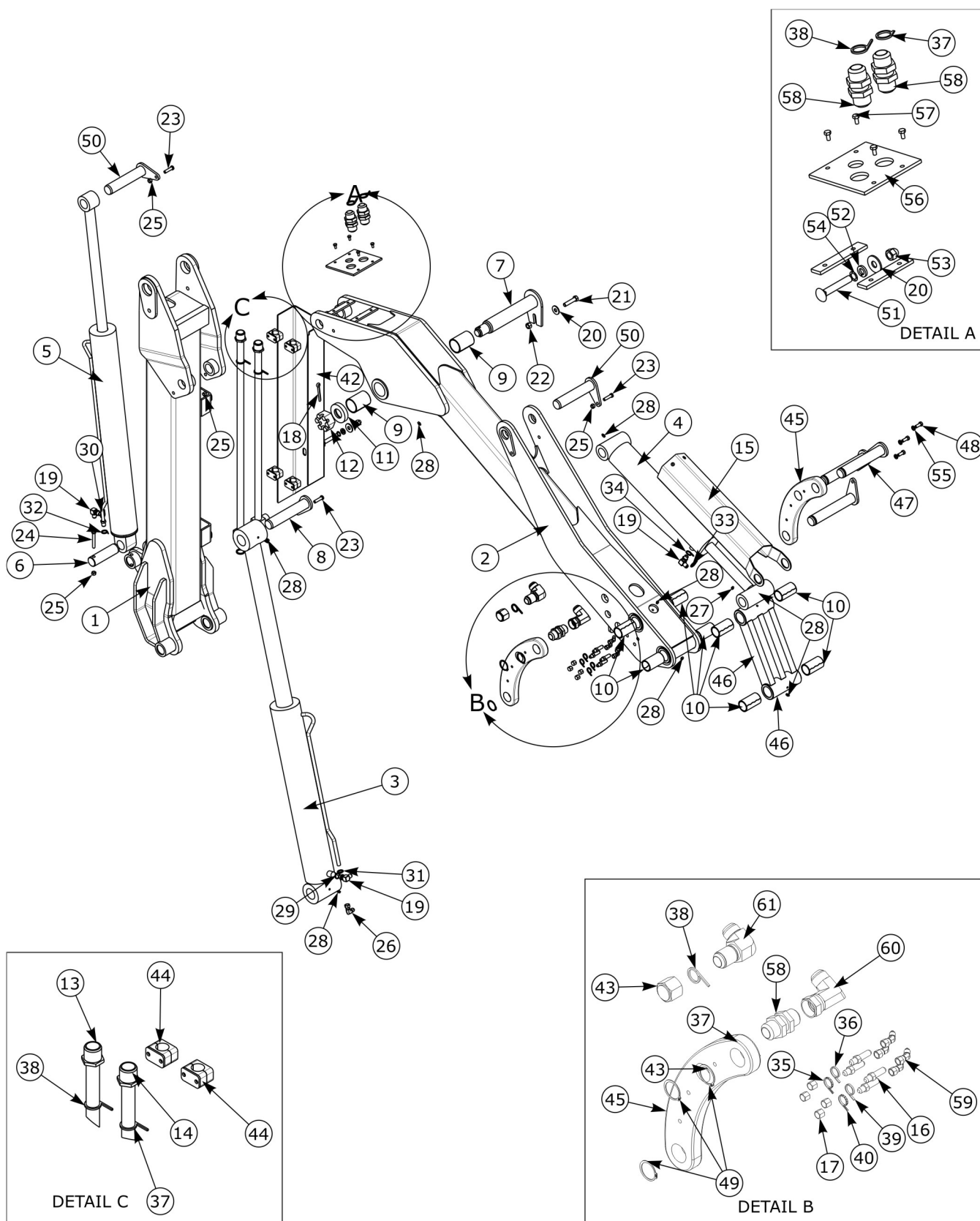
BOOM ASY - 18 FT BOOM (PART 1)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------------|
| | 02986861 | 1 | ASY, 18 SAMURAI |
| 1 | 02986896 | 1 | WELDMENT, 18' LIFT |
| 2 | 02983707 | 1 | WELDMENT, DIPPER, 18' |
| 3 | 02981279 | 1 | CYLINDER, 4.0B X 2.25R X 24.63S |
| 4 | 02984944 | 1 | CYLINDER, 3.5B X 1.5R X 16.0S |
| 5 | 02983320 | 1 | CYL, 3.5B X 1.5R X 30.0S |
| 6 | 02971751 | 1 | PIN, 1-1/2 X 5-3/16 & 13/32 HOLE |
| 7 | 02981294 | 1 | WELDMENT, PIN, LIFT/ DIPPER |
| 8 | 02982981 | 1 | WELDMENT, CYLINDER PIN LONG, NEW BOOM |
| 9 | 02981420 | 2 | CONNEX BUSHING, 2 1/4 X 2 X 3 |
| 10 | 02981424 | 8 | CONNEX BUSHING, 1 3/4 X 1 1/2 X 3 |
| 11 | 02981273 | 1 | SPACER, PIN, DIPPER, MAVERICK |
| 12 | 02981702 | 1 | SLOTTED NUT, 1-1/2 NF |
| 13 | 02984819 | 1 | HYDRAULIC TUBE, #16 |
| 14 | 02984817 | 1 | HYDRAULIC TUBE, #16 |
| 15 | 02985273 | 1 | ASSEMBLY, TILT CYLINDER COVER |
| 16 | 02965448 | 4 | ADP, HYD 4MJ -4MJ BULKHEAD |
| 17 | 02919600 | 4 | CAP, HYD 4FJ |
| 18 | 165020 | 1 | PIN, COTTER 5/16 X 2-1/2 PL |
| 19 | 63149100 | 3 | ADP, HYD ELBOW 6MB-6MJ 90 |
| 20 | 00002700 | 3 | FLATWASHER, 1/2 PL STD |
| 21 | 02975436 | 1 | HHCS 1/2 NC X 2 1/4 PL8 |
| 22 | 00001800 | 1 | LOCKNUT TLM 1/2 NC PLB |
| 23 | 00023100 | 3 | HHCS 3/8 X 1-1/2 NC PL GR5 |
| 24 | 02970595 | 1 | HHCS 3/8 NC 2-3/4 PL8 |
| 25 | 00015800 | 4 | LOCKNUT TLM 3/8 NC PLC |
| 26 | 001921 | 1 | ADAPTER 6MJ - 6FJX 90 |
| 27 | 000941 | 1 | GREASE ZERK 1/4-28 90 BOLT THD |
| 28 | 00752670 | 8 | GREASE FITTING 1/4-28 BOLT THD |
| 29 | 02968835 | 1 | PLASTIC TIE, ORANGE & WHITE |
| 30 | 02968831 | 1 | PLASTIC TIE, BLUE & WHITE |
| 31 | 02968834 | 1 | PLASTIC TIE, ORANGE |
| 32 | 02968830 | 1 | PLASTIC TIE, BLUE |
| 33 | 02968829 | 1 | PLASTIC TIE, RED & WHITE |
| 34 | 02968828 | 1 | PLASTIC TIE, RED |
| 35 | 02968837 | 1 | PLASTIC TIE, YELLOW & WHITE |
| 36 | 02968836 | 1 | PLASTIC TIE, YELLOW |
| 37 | 02968894 | 4 | PLASTIC TIE, RED, 11LG |
| 38 | 02968896 | 4 | PLASTIC TIE, ORANGE, 11LG |
| 39 | 02968832 | 1 | PLASTIC TIE, GREEN |
| 40 | 02968833 | 1 | PLASTIC TIE, GREEN & WHITE |

Samurai High Frame (12-08)

BOOM ASY - 18 FT BOOM (PART 2)

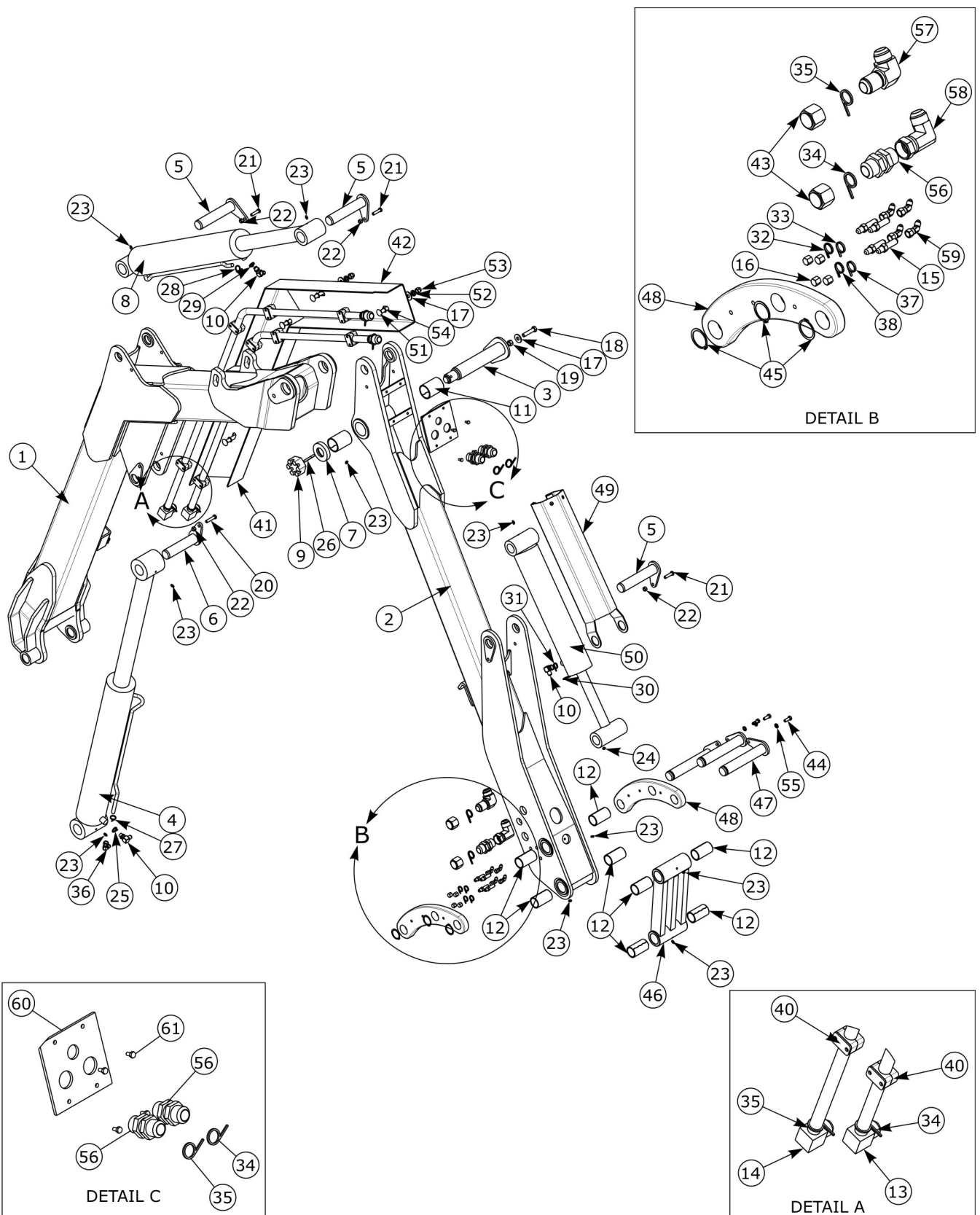


BOOM ASY - 18 FT BOOM (PART 2)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------------|
| 42 | 02984821 | 1 | COVER, LIFT TUBE COVER |
| 43 | 02956918 | 2 | CAP, 16 FJ |
| 44 | 03200375 | 4 | CLAMP, TUBE 1-POSTION |
| 45 | 02985222 | 2 | PLATE, LINKAGE |
| 46 | 02986074 | 1 | WELDMENT, LINKAGE |
| 47 | 02985220 | 3 | WELDMENT, PIN, LINKAGE |
| 48 | 00011400 | 3 | BOLT, HHCS 3/8 NC 1 PL5 |
| 49 | 00769258 | 3 | RETAINING RING,1.5 SHAFT |
| 50 | 02982979 | 2 | WELDMENT, CYLINDER PIN, NEW BOOM |
| 51 | 281324 | 2 | CARB 1/2 - 13 X 3 |
| 52 | 00019600 | 2 | LOCKWASHER 1/2 HEAVY |
| 53 | 02983080 | 2 | NUT, 1/2-13 ACORN |
| 54 | 63161900 | 2 | SPRING NUT 1/2 |
| 55 | 03101646 | 3 | LOCKWASHER 3/8 |
| 56 | 02985978 | 1 | PLATE, BULKHEAD |
| 57 | 00002100 | 4 | BOLT, HHCS 1/4" X 1/2" LG |
| 58 | 00751846 | 3 | ADP HYD STGHT 16MJ - 16MJ BULKHEAD |
| 59 | 02976532 | 4 | ADP, HYD, 4MJ-4FJX 45 |
| 60 | 02956851 | 1 | ADP HYD ELBOW 16 MJ-16 JX 90 |
| 61 | 02742500 | 1 | ADAPTER 16MJ - 16MJ 90 BULKHEAD |

BOOM ASY - 22 FT BOOM (PART 1)



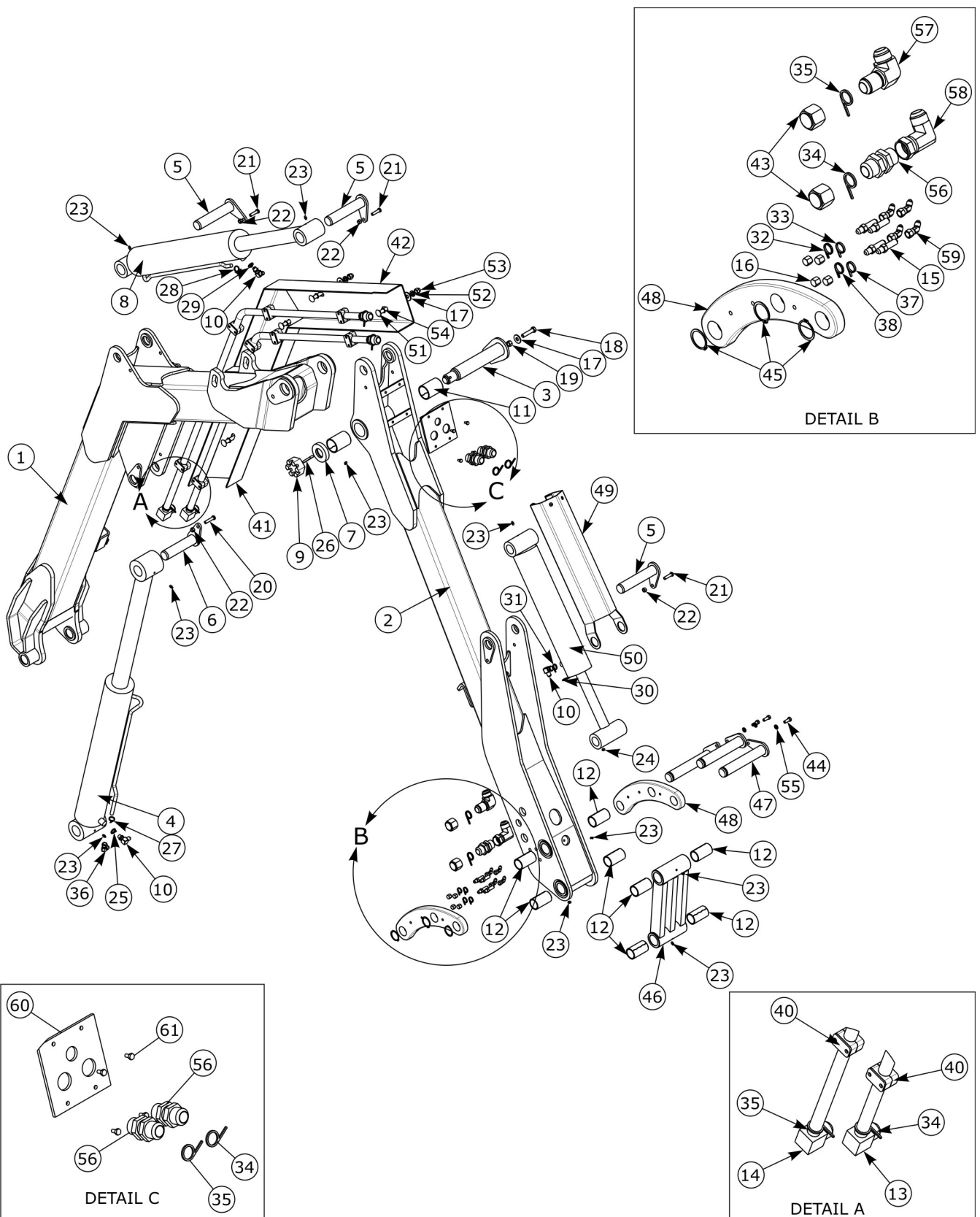
BOOM ASY - 22 FT BOOM (PART 1)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| | 02986401 | 1 | ASY, 22 SAMURAI |
| 1 | 02984850 | 1 | WELDMENT, 22` LIFT |
| 2 | 02985124 | 1 | WELDMENT, 22` DIPPER |
| 3 | 02981294 | 1 | WELDMENT, PIN, LIFT/ DIPPER |
| 4 | 02981279 | 1 | CYLINDER, 4.0B X 2.25R X 24.63S |
| 5 | 02982979 | 3 | WELDMENT, CYLINDER PIN, NEW BOOM |
| 6 | 02982980 | 1 | WELDMENT, CYLINDER PIN SHORT, NEW BOOM |
| 7 | 02981273 | 1 | SPACER, PIN, DIPPER, MAVERICK |
| 8 | 02981277 | 1 | CYLINDER, 4.0B X 2.25R X 21.5S |
| 9 | 02981702 | 1 | SLOTTED NUT, 1-1/2 NF |
| 10 | 63149100 | 3 | ADP, HYD ELBOW 6MB-6MJ 90 |
| 11 | 02981420 | 4 | CONNEX BUSHING, 2 1/4 X 2 X 3 |
| 12 | 02981424 | 8 | CONNEX BUSHING, 1 3/4 X 1 1/2 X 3 |
| 13 | 02984853 | 1 | HYDRAULIC TUBE, #16 |
| 14 | 02984855 | 1 | HYDRAULIC TUBE, #16 |
| 15 | 02965448 | 4 | ADP, HYD 4MJ -4MJ BULKHEAD |
| 16 | 02919600 | 4 | CAP, HYD 4FJ |
| 17 | 00002700 | 5 | FLATWASHER, 1/2 PL STD |
| 18 | 02975436 | 1 | HHCS 1/2 NC X 2 1/4 PL8 |
| 19 | 00001800 | 1 | LOCKNUT TLM 1/2 NC PLB |
| 20 | 02957042 | 1 | HHCS 3/8NC 1-3/4 PL GR8 |
| 21 | 00023100 | 3 | HHCS 3/8 X 1-1/2 NC PL GR5 |
| 22 | 00015800 | 4 | LOCKNUT TLM 3/8 NC PLC |
| 23 | 00752670 | 11 | GREASE FITTING 1/4-28 BOLT THD |
| 24 | 000941 | 1 | GREASE ZERK 1/4-28 90 BOLT THD |
| 25 | 02968835 | 1 | PLASTIC TIE, ORANGE & WHITE |
| 26 | 165020 | 1 | PIN, COTTER 5/16 X 2-1/2 PL |
| 27 | 02968834 | 1 | PLASTIC TIE, ORANGE |
| 28 | 02968831 | 1 | PLASTIC TIE, BLUE & WHITE |
| 29 | 02968830 | 1 | PLASTIC TIE, BLUE |
| 30 | 02968829 | 1 | PLASTIC TIE, RED & WHITE |
| 31 | 02968828 | 1 | PLASTIC TIE, RED |
| 32 | 02968837 | 1 | PLASTIC TIE, YELLOW & WHITE |
| 33 | 02968836 | 1 | PLASTIC TIE, YELLOW |
| 34 | 02968894 | 4 | PLASTIC TIE, RED, 11LG |
| 35 | 02968896 | 4 | PLASTIC TIE, ORANGE, 11LG |
| 36 | 001921 | 1 | ADAPTER 6MJ - 6FJX 90 |
| 37 | 02968832 | 1 | PLASTIC TIE, GREEN |
| 38 | 02968833 | 1 | PLASTIC TIE, GREEN & WHITE |
| 40 | 03200375 | 8 | CLAMP, TUBE 1-POSTION, 1" |
| 41 | 02984856 | 1 | COVER, LIFT TUBE COVER |

Samurai High Frame (12-08)

BOOM ASY - 22 FT BOOM (PART 2)

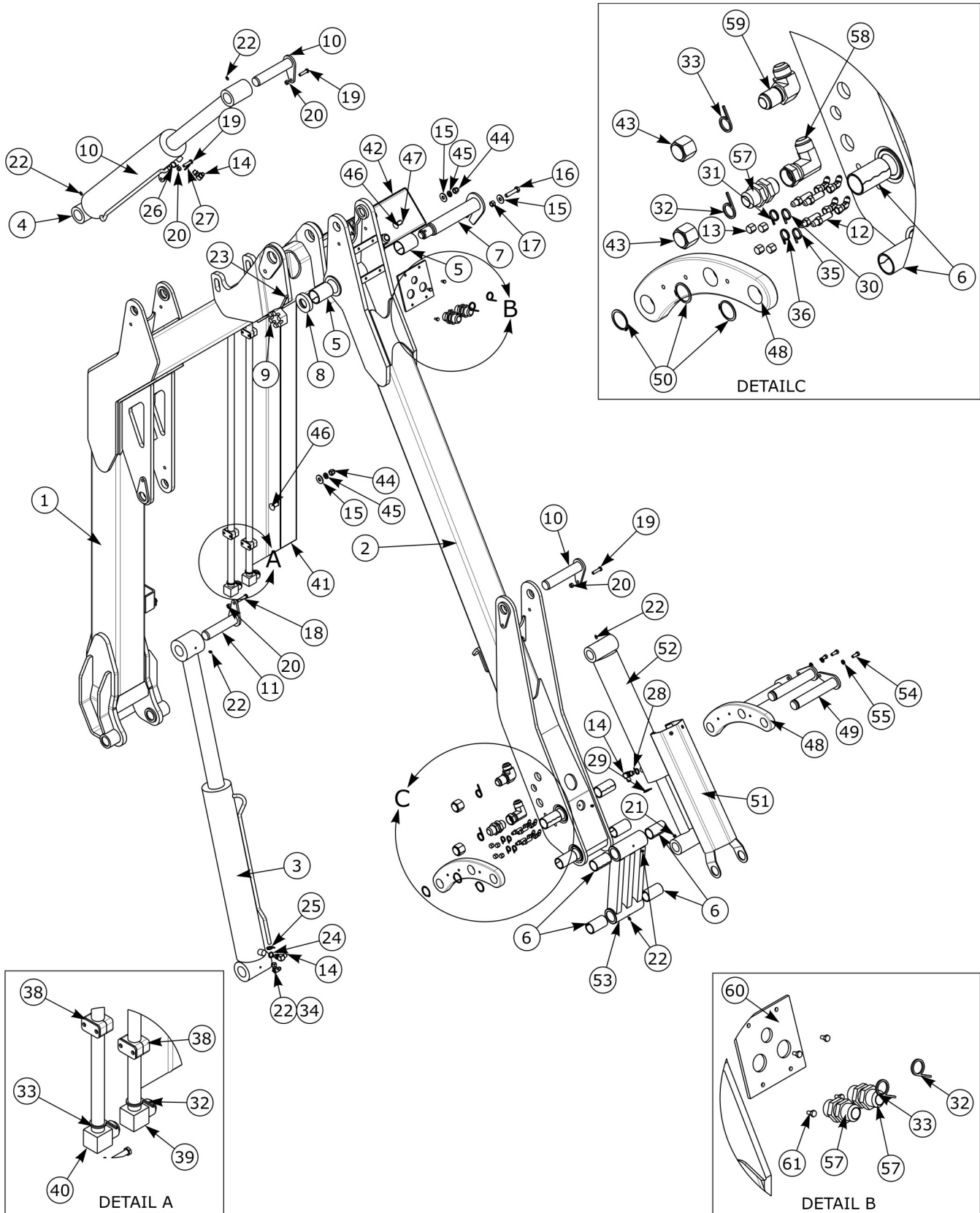


BOOM ASY - 22 FT BOOM (PART 2)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------------|
| 42 | 02984857 | 1 | COVER, LIFT TUBE COVER |
| 43 | 02956918 | 2 | CAP, 16 FJ |
| 44 | 00011400 | 3 | BOLT, HHCS 3/8 NC 1 PL5 |
| 45 | 00769258 | 3 | RETAINING RING,1.5 SHAFT |
| 46 | 02986074 | 1 | WELDMENT, LINKAGE |
| 47 | 02985220 | 3 | WELDMENT, PIN, LINKAGE |
| 48 | 02985222 | 2 | PLATE, LINKAGE |
| 49 | 02985273 | 1 | ASSEMBLY, TILT CYLINDER COVER |
| 50 | 02984944 | 1 | CYLINDER, 3.5B X 1.5R X 16.0S |
| 51 | 281324 | 4 | CARB 1/2 - 13 X 3 |
| 52 | 00019600 | 4 | LOCKWASHER 1/2 HEAVY |
| 53 | 02983080 | 4 | NUT, 1/2-13 ACORN |
| 54 | 63161900 | 4 | SPRING NUT 1/2 |
| 55 | 02966704 | 3 | LOCKWASHER 3/8 |
| 56 | 00751846 | 3 | ADP HYD STGHT 16MJ - 16MJ BULKHEAD |
| 57 | 02742500 | 1 | ADAPTER 16MJ - 16MJ 90 BULKHEAD |
| 58 | 02956851 | 1 | ADP HYD ELBOW 16 MJ-16 JX 90 |
| 59 | 02976532 | 4 | ADP, HYD, 4MJ-4FJX 45 |
| 60 | 02985978 | 1 | PLATE, BULKHEAD |
| 61 | 00002100 | 4 | BOLT, HHCS 1/4" X 1/2" LG |

BOOM ASY - 25 FT BOOM (PART 1)



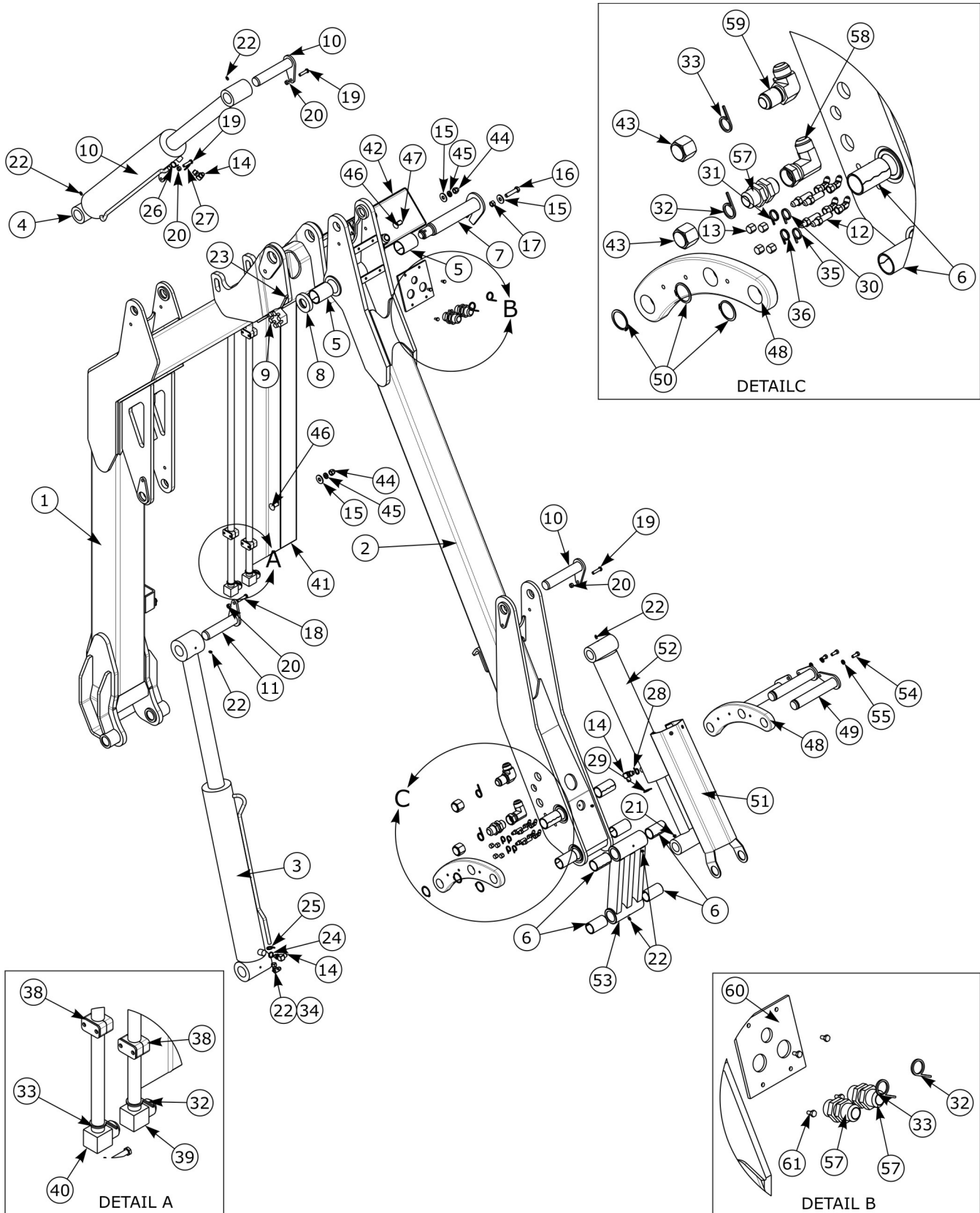
BOOM ASY - 25 FT BOOM (PART 1)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| | 02986863 | 1 | ASY, 25 SAMURAI |
| 1 | 02986898 | 1 | WELDMENT, 25` LIFT |
| 2 | 02984895 | 1 | WELDMENT, 25` DIPPER |
| 3 | 02981279 | 1 | CYLINDER, 4.0B X 2.25R X 24.63S |
| 4 | 02981277 | 1 | CYLINDER, 4.0B X 2.25R X 21.5S |
| 5 | 02981420 | 2 | CONNEX BUSHING, 2 1/4 X 2 X 3 |
| 6 | 02981424 | 8 | CONNEX BUSHING, 1 3/4 X 1 1/2 X 3 |
| 7 | 02981294 | 1 | WELDMENT, PIN, LIFT/ DIPPER |
| 8 | 02981273 | 1 | SPACER, PIN, DIPPER, MAVERICK |
| 9 | 02981702 | 1 | SLOTTED NUT, 1-1/2 NF |
| 10 | 02982979 | 3 | WELDMENT, CYLINDER PIN, NEW BOOM |
| 11 | 02982980 | 1 | WELDMENT, CYLINDER PIN SHORT, NEW BOOM |
| 12 | 02965448 | 4 | ADP, HYD 4MJ -4MJ BULKHEAD |
| 13 | 02919600 | 4 | CAP, HYD 4FJ |
| 14 | 63149100 | 3 | ADP, HYD ELBOW 6MB-6MJ 90 |
| 15 | 00002700 | 5 | FLATWASHER, 1/2 PL STD |
| 16 | 02975436 | 1 | HHCS 1/2 NC X 2 1/4 PL8 |
| 17 | 00001800 | 1 | LOCKNUT TLM 1/2 NC PLB |
| 18 | 02957042 | 1 | HHCS 3/8NC 1-3/4 PL GR8 |
| 19 | 00023100 | 3 | HHCS 3/8 X 1-1/2 NC PL GR5 |
| 20 | 00015800 | 4 | LOCKNUT TLM 3/8 NC PLC |
| 21 | 000941 | 1 | GREASE ZERK 1/4-28 90 BOLT THD |
| 22 | 00752670 | 10 | GREASE FITTING 1/4-28 BOLT THD |
| 23 | 165020 | 1 | PIN, COTTER 5/16 X 2-1/2 PL |
| 24 | 02968835 | 1 | PLASTIC TIE, ORANGE & WHITE |
| 25 | 02968834 | 1 | PLASTIC TIE, ORANGE |
| 26 | 02968831 | 1 | PLASTIC TIE, BLUE & WHITE |
| 27 | 02968830 | 1 | PLASTIC TIE, BLUE |
| 28 | 02968828 | 1 | PLASTIC TIE, RED |
| 29 | 02968829 | 1 | PLASTIC TIE, RED & WHITE |
| 30 | 02968836 | 1 | PLASTIC TIE, YELLOW |
| 31 | 02968837 | 1 | PLASTIC TIE, YELLOW & WHITE |
| 32 | 02968894 | 4 | PLASTIC TIE, RED, 11LG |
| 33 | 02968896 | 4 | PLASTIC TIE, ORANGE, 11LG |
| 34 | 001921 | 1 | ADAPTER 6MJ - 6FJX 90 |
| 35 | 02968832 | 1 | PLASTIC TIE, GREEN |
| 36 | 02968833 | 1 | PLASTIC TIE, GREEN & WHITE |
| 38 | 03200375 | 8 | CLAMP, TUBE 1-POSTION |
| 39 | 02984890 | 1 | HYDRAULIC TUBE, #16 |
| 40 | 02984892 | 1 | HYDRAULIC TUBE, #16 |
| 41 | 02984893 | 1 | COVER, LIFT TUBE COVER |

Samurai High Frame (12-08)

BOOM ASY - 25 FT BOOM (PART 2)

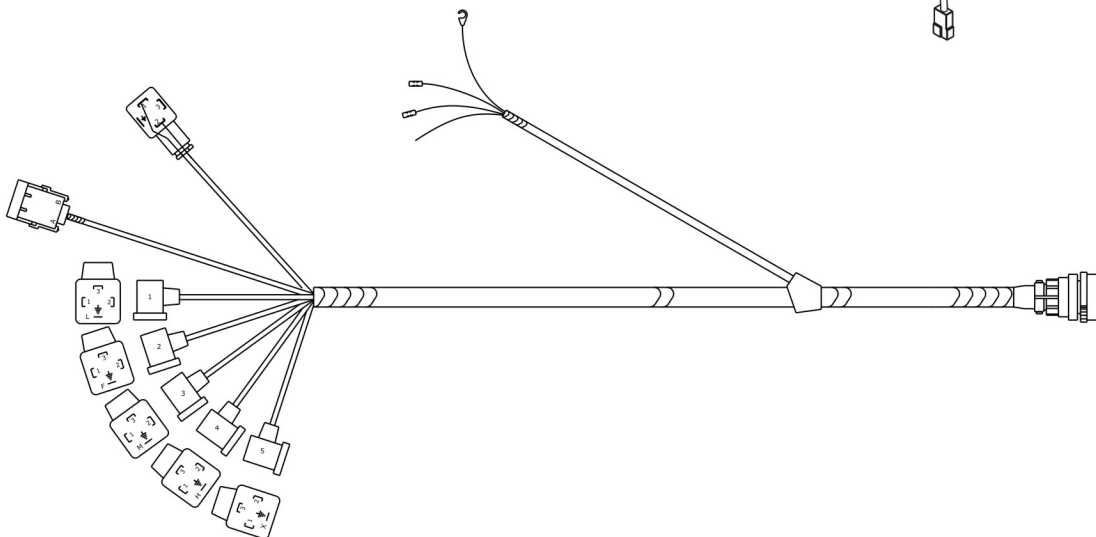
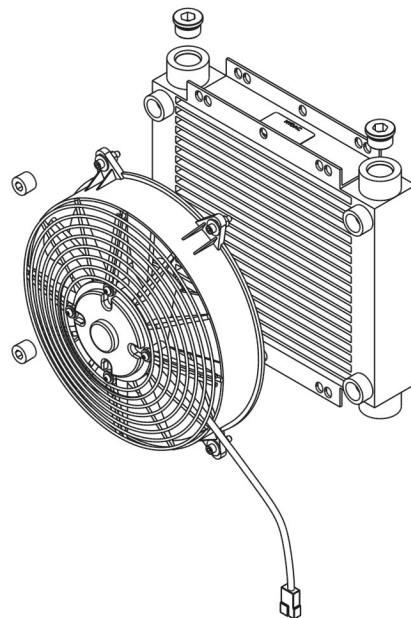
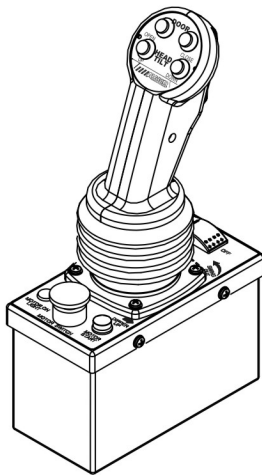
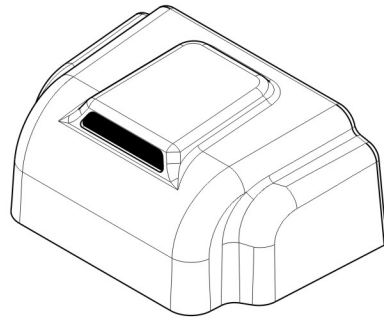
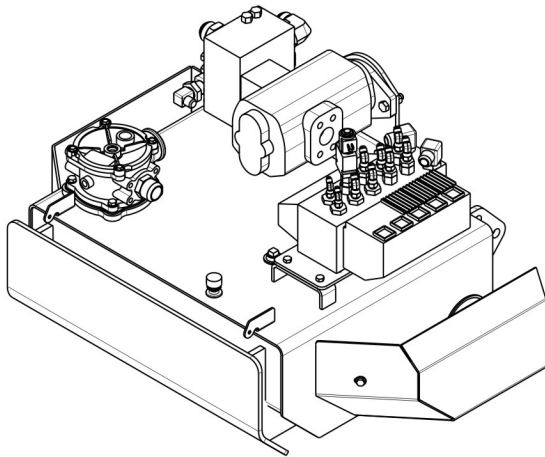


BOOM ASY - 25 FT BOOM (PART 2)

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------------|
| 42 | 02984894 | 1 | COVER, LIFT TUBE COVER |
| 43 | 02956918 | 2 | CAP, 16 FJ |
| 44 | 02983080 | 4 | NUT, 1/2-13 ACORN |
| 45 | 00019600 | 4 | LOCKWASHER 1/2 HEAVY |
| 46 | 281324 | 4 | CARB 1/2 - 13 X 3 |
| 47 | 63161900 | 4 | SPRING NUT 1/2 |
| 48 | 02985222 | 2 | PLATE, LINKAGE |
| 49 | 02985220 | 3 | WELDMENT, PIN, LINKAGE |
| 50 | 00769258 | 3 | RETAINING RING,1.5 SHAFT |
| 51 | 02985273 | 1 | ASSEMBLY, TILT CYLINDER COVER |
| 52 | 02984944 | 1 | CYLINDER, 3.5B X 1.5R X 16.0S |
| 53 | 02986074 | 1 | WELDMENT, LINKAGE |
| 54 | 00011400 | 3 | BOLT, HHCS 3/8 NC 1 PL5 |
| 55 | 03101646 | 3 | LOCKWASHER 3/8 |
| 56 | 02976532 | 4 | ADP, HYD, 4MJ-4FJX 45 |
| 57 | 00751846 | 3 | ADP HYD STGHT 16MJ - 16MJ BULKHEAD |
| 58 | 02956851 | 1 | ADP HYD ELBOW 16 MJ-16 JX 90 |
| 59 | 02742500 | 1 | ADAPTER 16MJ - 16MJ 90 BULKHEAD |
| 60 | 02985978 | 1 | PLATE, BULKHEAD |
| 61 | 00002100 | 4 | BOLT, HHCS 1/4" X 1/2" LG |

COMMON CRATE COMPONENTS - ELECTRO

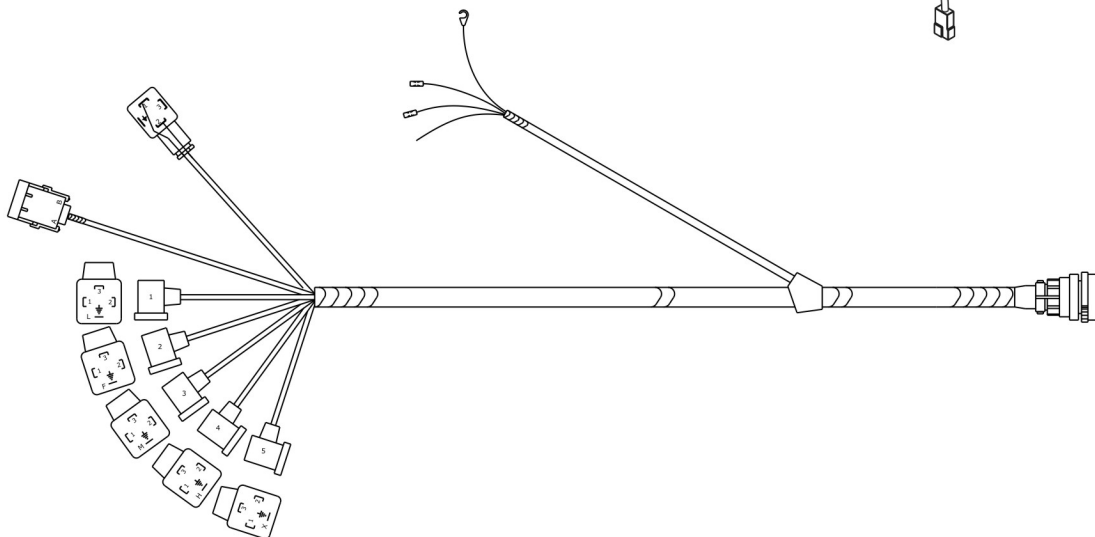
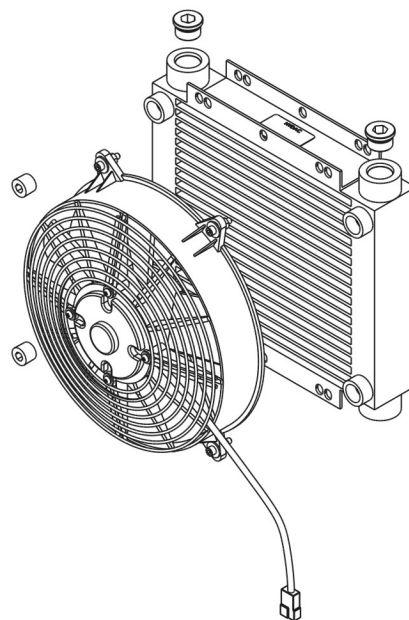
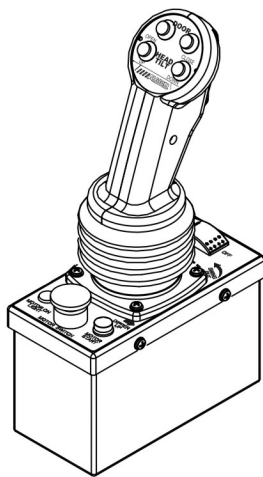
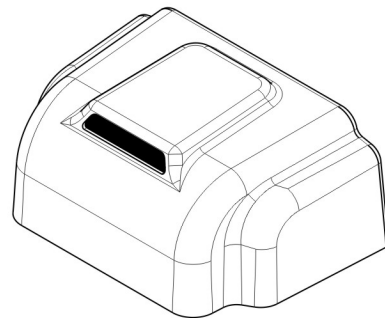
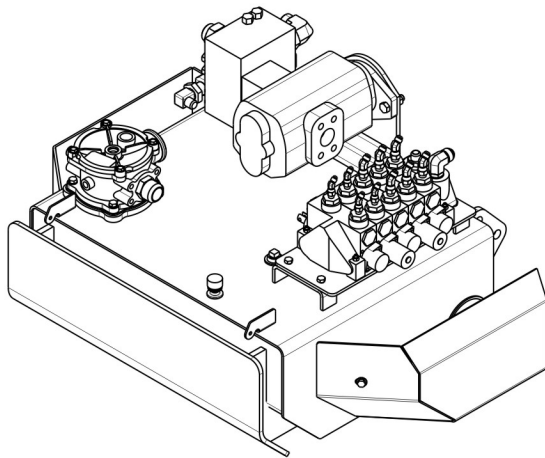


COMMON CRATE COMPONENTS - ELECTRO

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|------------|------|--------------------------------|
| | 002369 | 1 | DECAL,DANGER-MULTI HAZARD |
| | 002508 | 1 | DECAL,ALAMO LOGO (SQUARE) |
| | 00749101 | 1 | SPLIT FLANGE KIT 1-1/2 |
| | 00749508 | 2 | PLUG 1/2-14 NPT |
| | 00776031 | 1 | CANISTER, PARTS MANUAL |
| | 02090800 | 2 | ADP HYD ELBOW 12MB-12MJ90 |
| | 02753400 | 2 | PLASTIC TIE 15 LG UV BLACK |
| | 02906100 | 1 | HOSE #8 - 8FJX - 8FJX90- 32LG |
| | 02960409 | 2 | ADP TUBE ELBOW 20MJ-20FJX 90° |
| | 02966639 | 8 | BAR,MOUNT STRAP |
| | 02966641 | 4 | BAR-MOUNT ANGLE |
| | 02966874 | 1 | BOOT,CABLE |
| | 02970116 | 2 | TUBE,FRAME MOUNTING |
| | 02975004 | 1 | MOUNT TIE ROD |
| | 02981377 | 1 | COOLER, OIL/AIR W/FAN |
| | 02981381 | 1 | ASY, PUMP COVER |
| | 02981383 | 1 | MOUNT, COOLER, RH |
| | 02981384 | 1 | MOUNT, COOLER, LH |
| | 02981441 | 2 | KNOB 3/8NC X 1-1/2 STUD |
| | 02981953 | 2 | HANGER, FORMED, HOSE |
| | 02983212 | 1 | HOSE #12-12FJX-12FJX90-30LG |
| | 02983489 | 1 | DECAL, JOYSTICK CONTROL, AXTR |
| | 02984735 | 1 | ASY, HARNESS, MACHETE |
| | 02986111 | 1 | CABLE, PUMP COVER 36" LG |
| | 02986130 | 1 | CABLE, MANUAL CANISTER, 24" LG |
| | 02986949 | 1 | BOLT BAG ELECTROHYD BOOMS |
| | 02987499 | 1 | PACKET, INST DWGS AND DECALS |
| | 02987521 | 1 | ASY, TANK, ELECVALVE, SAMURAI |
| | 02987703 | 1 | PLATE, AUXILARY VALVE |
| | 02987705 | 1 | BAR,MOUNT STRAP 4-1/2" |
| | 02987817 | 1 | BOOM TO FRAME HOSE BUNDLE |
| | 02975446C | 1 | ASSEMBLY JOYSTICK CONSOLE |
| | 02986950A | 1 | ASY, SAMURAI OPS & PARTS |
| | 02986950C | 1 | MAN,SAMURAI OPS |
| | 02986950CA | 1 | ASSEMBLY CANISTER MANUAL |

COMMON CRATE COMPONENTS - MANUAL

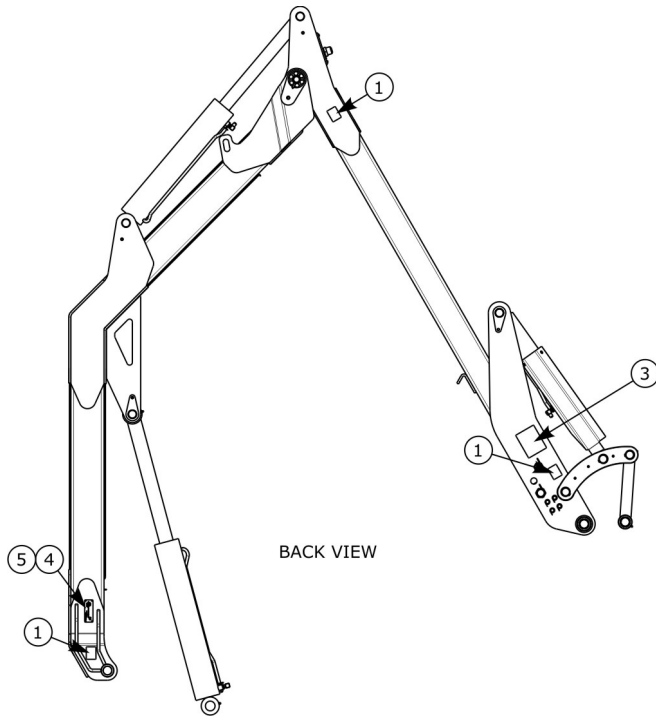


COMMON CRATE COMPONENTS - MANUAL

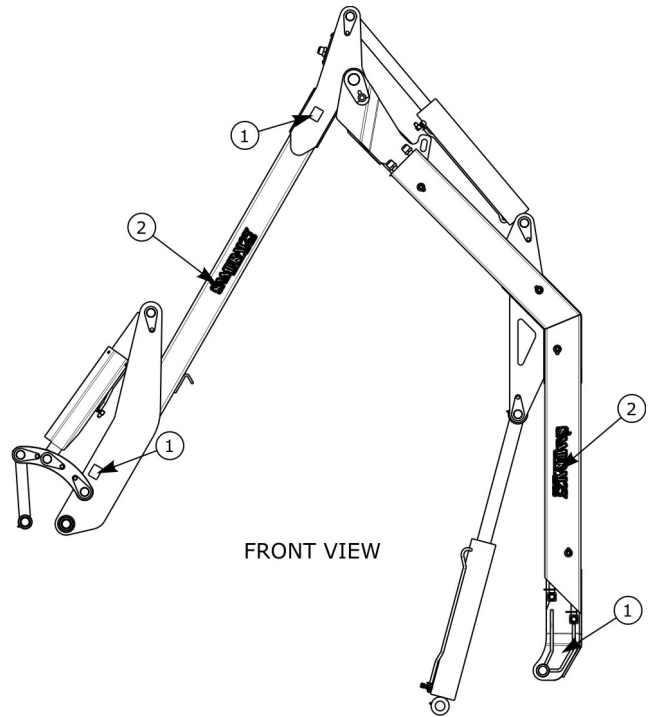
Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|------------|------|--------------------------------|
| | 00749101 | 1 | SPLIT FLANGE KIT 1-1/2 |
| | 00749508 | 2 | PLUG 1/2-14 NPT |
| | 00776031 | 1 | CANISTER, PARTS MANUAL |
| | 02090800 | 2 | ADP HYD ELBOW 12MB-12MJ90 |
| | 02753400 | 5 | PLASTIC TIE 15 LG UV BLACK |
| | 02906100 | 1 | HOSE #8 - 8FJX - 8FJX90- 32LG |
| | 02958858 | 2 | ADP TUBE ELBOW 16MJ-16FJX 90DG |
| | 02959154 | 2 | ADP HYD ELBOW 16MJ -16FJX 45 |
| | 02962748 | 1 | DECAL-ON-OFF SWITCH CUTTER VLV |
| | 02964028 | 1 | SWITCH PUSH-PULL SPDT 10A@12V |
| | 02966639 | 6 | BAR,MOUNT STRAP |
| | 02966874 | 1 | BOOT,CABLE |
| | 02970116 | 2 | TUBE,FRAME MOUNTING |
| | 02971274 | 5 | KIT,CABLE CONNECTION-V20 VALVE |
| | 02975004 | 1 | MOUNT TIE ROD |
| | 02981377 | 1 | COOLER, OIL/AIR W/FAN |
| | 02981381 | 1 | ASY, PUMP COVER |
| | 02981383 | 1 | MOUNT, COOLER, RH |
| | 02981384 | 1 | MOUNT, COOLER, LH |
| | 02981441 | 2 | KNOB 3/8NC X 1-1/2 STUD |
| | 02981810 | 5 | LEVER SHORT SNGL AXIS CONTROL |
| | 02981953 | 2 | HANGER, FORMED, HOSE |
| | 02982922 | 1 | WIRE HARENESS, MANUAL, AXTREME |
| | 02983212 | 1 | HOSE #12-12FJX-12FJX90-30LG |
| | 02983408 | 1 | DECAL, LEVER CONTROL, AXTREME |
| | 02986111 | 1 | CABLE, PUMP COVER 36" LG |
| | 02986130 | 1 | CABLE, MANUAL CANISTER, 24" LG |
| | 02986857 | 1 | BOLT BAG, SAMURAI & M2 |
| | 02987499 | 1 | PACKET, INST DWGS AND DECALS |
| | 02987518 | 1 | ASY, TANK, MAN VALVE, SAMURAI |
| | 02987703 | 1 | PLATE, AUXILARY VALVE |
| | 02987705 | 1 | BAR,MOUNT STRAP 4-1/2" |
| | 02987817 | 1 | BOOM TO FRAME HOSE BUNDLE |
| | 02986950A | 1 | ASY, SAMURAI OPS & PARTS |
| | 02986950CA | 1 | ASSEMBLY CANISTER MANUAL |

DECALS - 18-22-25 FT BOOM



BACK VIEW

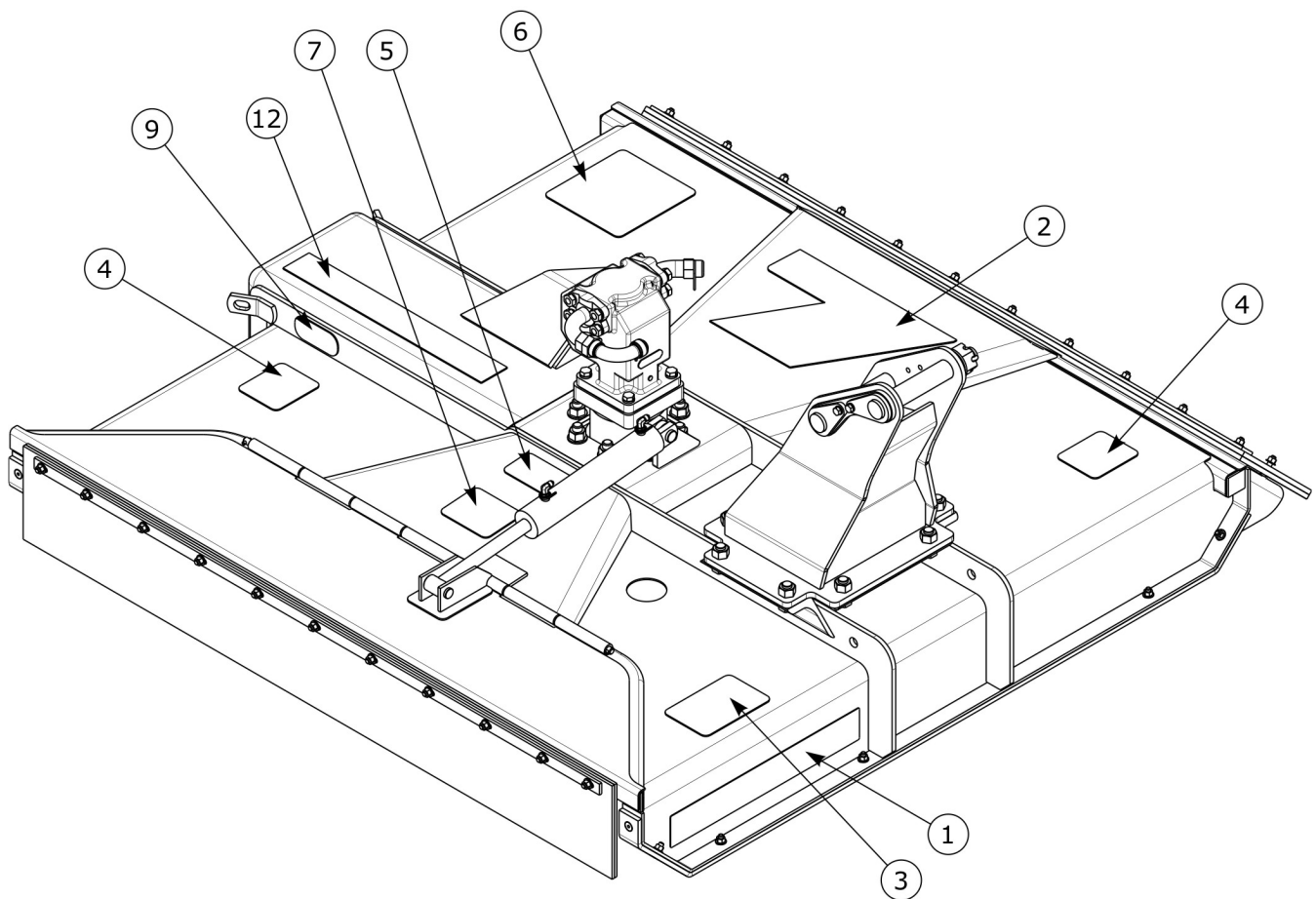
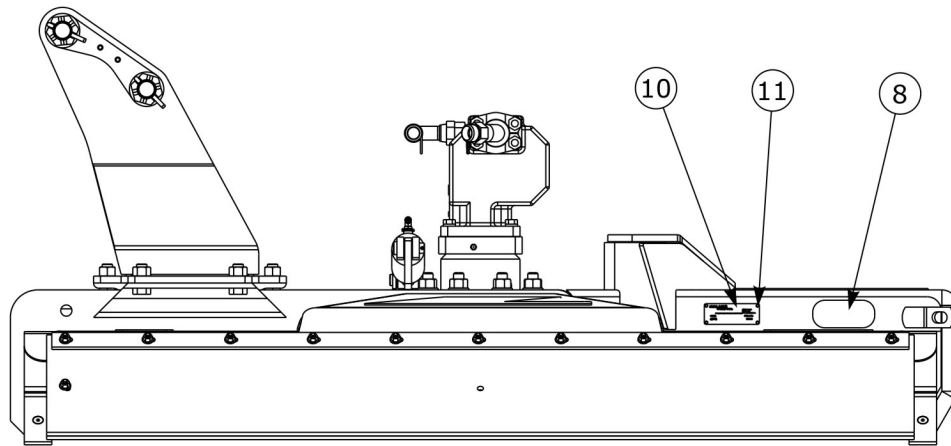


FRONT VIEW

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------------|
| 1 | 02962764 | 6 | DECAL, PINCH POINT |
| 2 | 02987466 | 2 | SAMURAI 18' DECAL |
| | 02987467 | 2 | SAMURAI 22' DECAL |
| | 02987468 | 2 | SAMURAI 25' DECAL |
| 3 | 02981987 | 1 | DECAL, HOSE CONNECTION, MAVERICK |
| 4 | 02986867 | 1 | PLATE,S/N 18' SAMURAI |
| | 02986787 | 1 | PLATE, S/N 22' SAMURAI |
| | 02986869 | 1 | PLATE, S/N 25' SAMURAI |
| 5 | 3710151 | 4 | METAL TACK |

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DECALS - 50 & 60 IN ROTARY HEAD

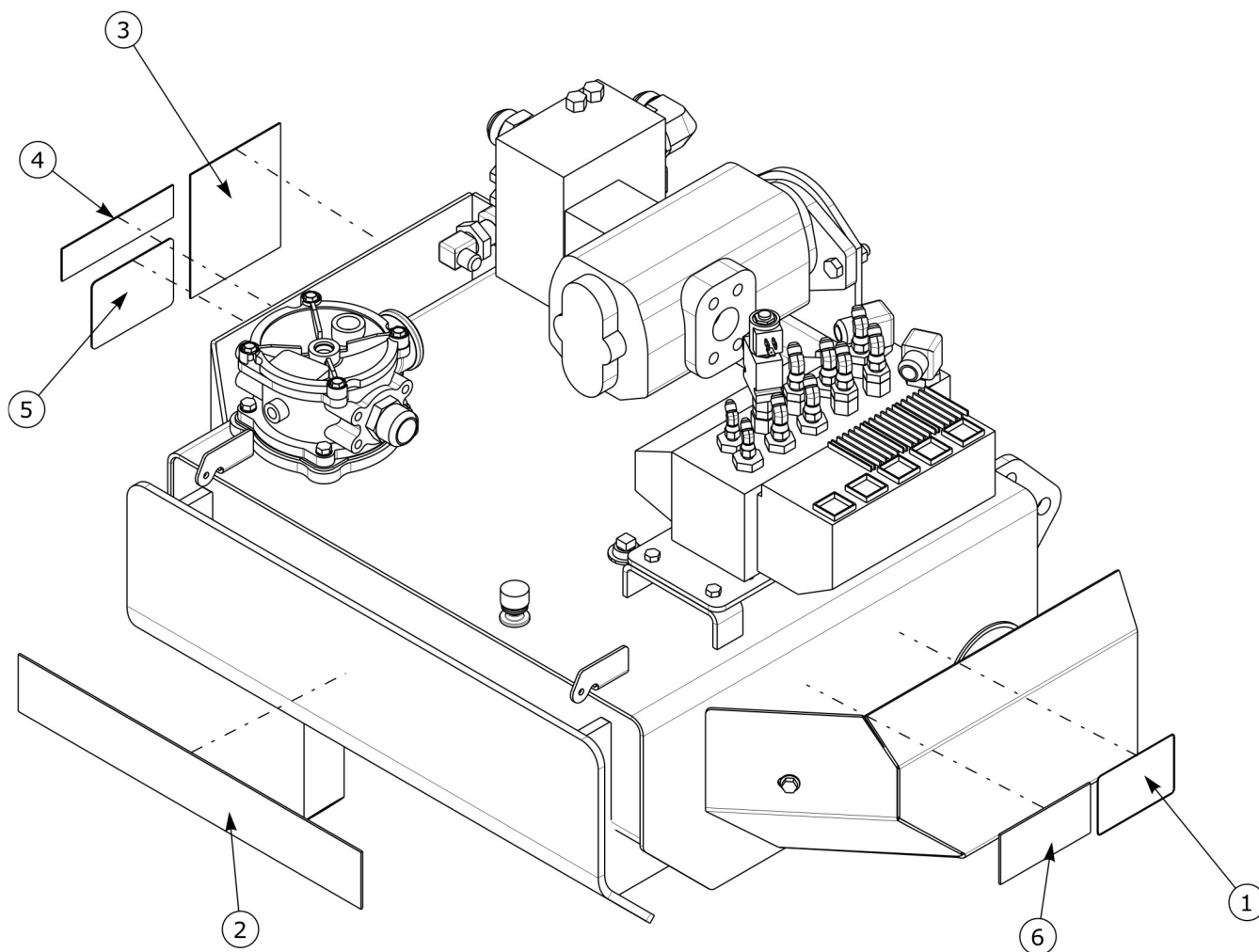


DECALS - 50 & 60 IN ROTARY HEAD

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| 1 | 00757139 | 2 | DECAL, LOGO (ALAMO BY T.K.) |
| 2 | 00757140 | 1 | DECAL, ALAMO INDUSTRIAL LOGO |
| 3 | 00769736 | 1 | DECAL, USE/REPAIR GUARDS |
| 4 | 00769737 | 2 | DECAL, BLADES THROWN OBJECTS |
| 5 | 02925100 | 1 | DECAL, REPLACEMENT PARTS |
| 6 | 02967827 | 1 | DECAL, MULTI HAZARD |
| 7 | 02967867 | 1 | DECAL, DANGER SAFETY SHIELD |
| 8 | 2738332 | 1 | DECAL, RED OBLONG REFLECTOR |
| 9 | 2738333 | 1 | DECAL, YELLOW OBLONG REFLECTOR |
| 10 | 02986680 | 1 | PLATE S/N 60", ROTARY, GEAR |
| 11 | 3710151 | 4 | METAL TACK |
| 12 | 02970889 | 1 | DECAL, 60 ROTARY |
| | 02982927 | 1 | DECAL, 50 ROTARY |

DECALS - HYD TANK AND PUMP



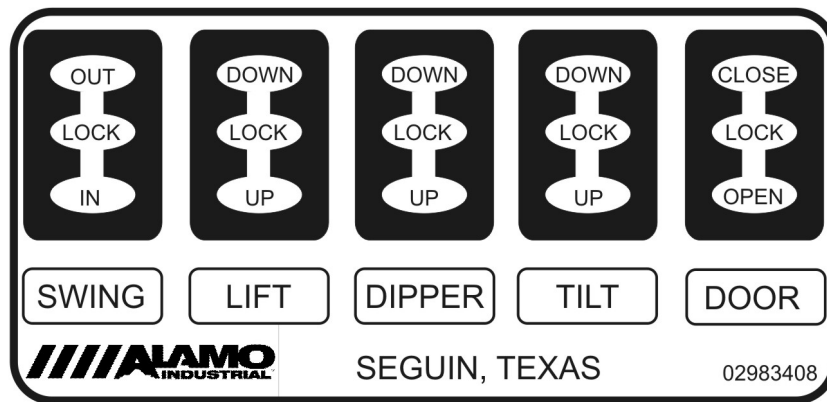
(HYDRAULIC TANK W/PUMP AND VALVE ASY - ELECTRO SHOWN)

DECALS - HYD TANK AND PUMP

Continued...

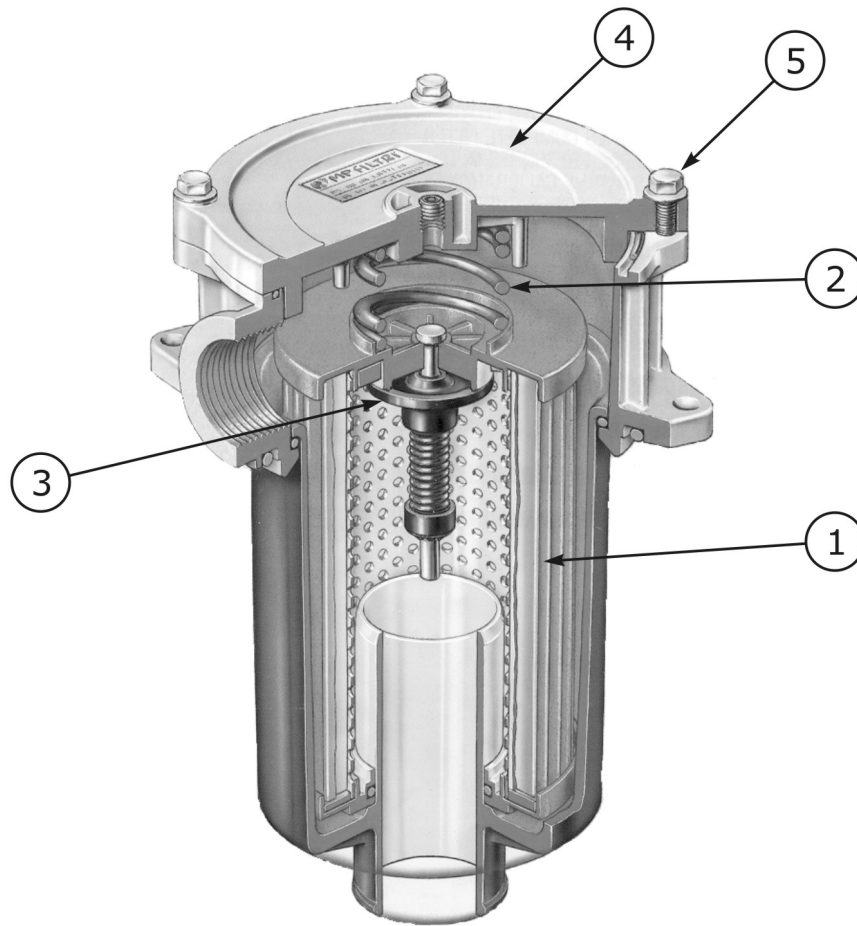
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | 02987402 | 1 | DECAL, ELECTRO VALVE LAYOUT M2 PVG32 |
| | 02987520 | 1 | DECAL, VALVE LAYOUT V20 MAN |
| 2 | 02971943 | 1 | DECAL, LOGO RECT CLEAR Y/W, 2 7/8 X 20 |
| 3 | 02965262 | 1 | DECAL - WARNING - HOSE BURST |
| 4 | 02971123 | 1 | DECAL WARNING PRESS TANK |
| 5 | 02982828 | 1 | DECAL, TEMP RANGE |
| 6 | 02982583 | 1 | DO NOT WELD MAVERICK |

DECALS - LEVER CONTROL



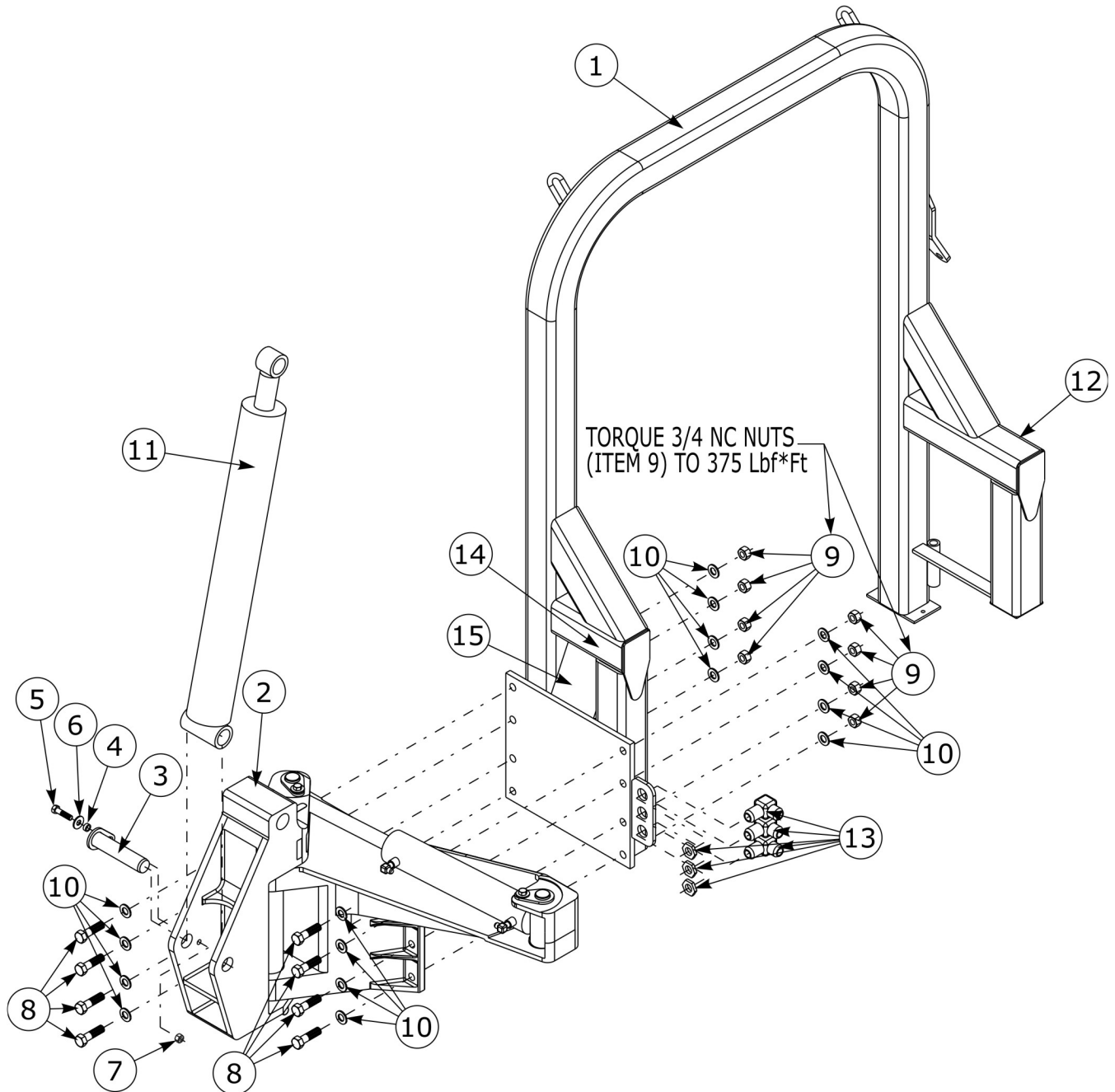
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| 1 | 02983408 | 1 | DECAL, LEVER CONTROL, AX TREME |

FILTER ASSEMBLY



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------|
| | 02964748 | 1 | FILTER ASY |
| 1 | 02961001 | 1 | FILTER ELEMENT REPLACEMENT ONLY |
| 2 | 02972678 | 1 | SPRING, FILTER CARTRIDGE |
| 3 | 02973782 | 1 | VALVE, FILTER BYPASS |
| 4 | 02978349 | 1 | FILTER COVER |
| 5 | 02978354 | 1 | SEAL KIT |
| 6 | 02978355 | 1 | NUT AND BOLT KIT F/ TOP COVER |

HIGH FRAME MOUNT ASY - 2WD

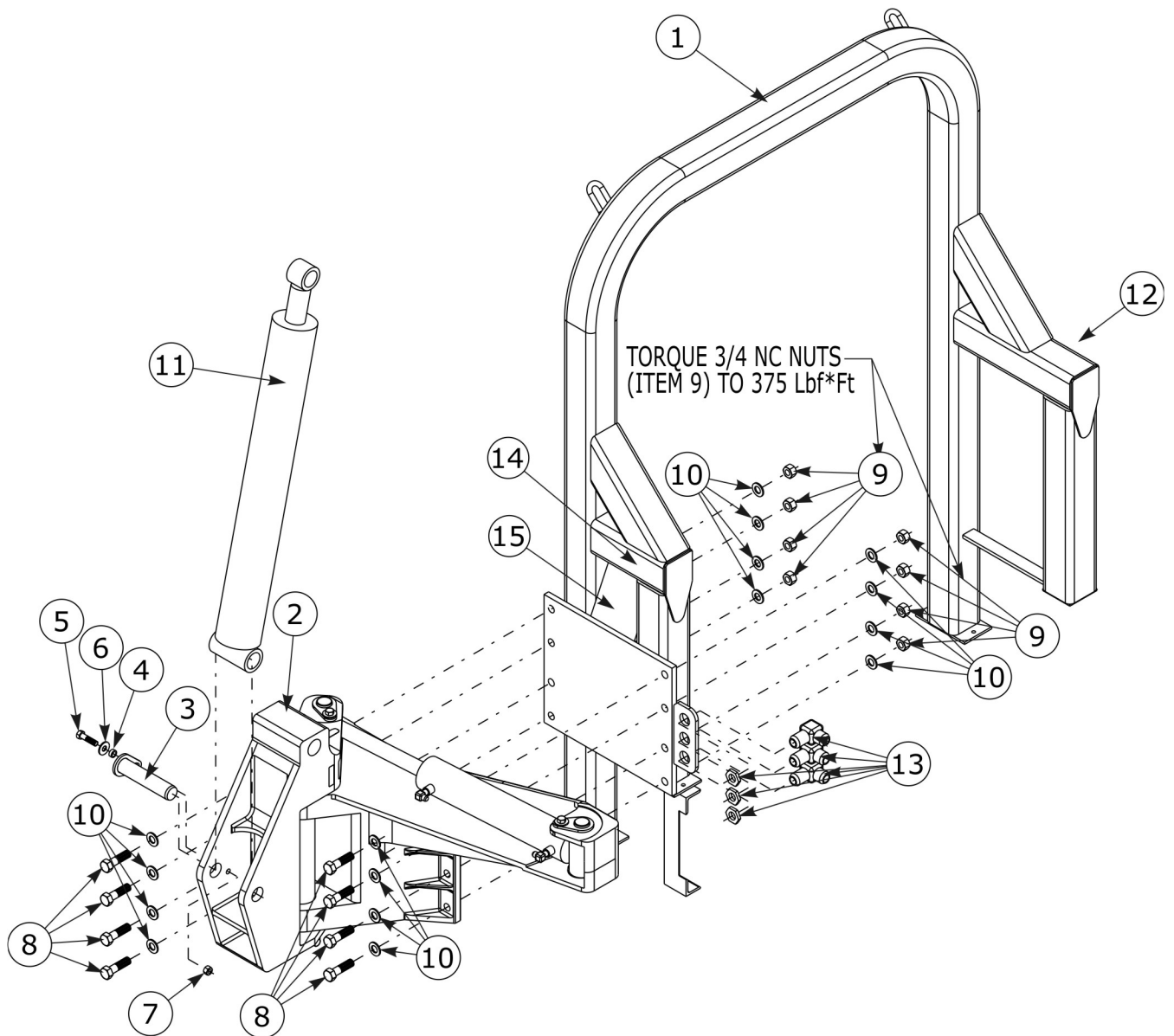


HIGH FRAME MOUNT ASY - 2WD

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------------|
| | 02978449 | 1 | ASY HIGH FRAME 2WD |
| 1 | 02978447 | 1 | WELDMENT FRAME 2WD |
| 2 | 02978000 | 1 | SUB-ASY KINGPOST FRAME |
| 3 | 02978461 | 1 | WLDMT PIN 1-1/2 OD X 6-3/4 LG CHROMED |
| 4 | 02975596 | 1 | TUBE SPACER 3/4 OD X .51 ID X .31 LG |
| 5 | 00013300 | 1 | HHCS 1/2 NC 2 PL5 |
| 6 | 00002700 | 1 | FLATWASHER 1/2 PL STD |
| 7 | 00001800 | 1 | LOCKNUT 1/2 NC PLB |
| 8 | 02960521 | 8 | HHCS 3/4 NC 2-3/4 PL8 |
| 9 | 00037200 | 8 | LOCKNUT 3/4 NC PLC |
| 10 | 5312316 | 16 | WASHER 25/32 X 1-7/16 X 1/8 HARDENED |
| 11 | 02968841 | 1 | ASSEMBLY LIFT CYLINDER |
| 12 | 00725746 | 1 | DECAL SPANISH TRANSL |
| 13 | 02742500 | 3 | ELBOW 16MJ -16MJ90 BULKHEAD |
| 14 | 02962765 | 1 | DECAL MULTI-HAZZARD |
| 15 | 02965262 | 1 | DECAL HOSE BURST |

HIGH FRAME MOUNT ASY - 4WD

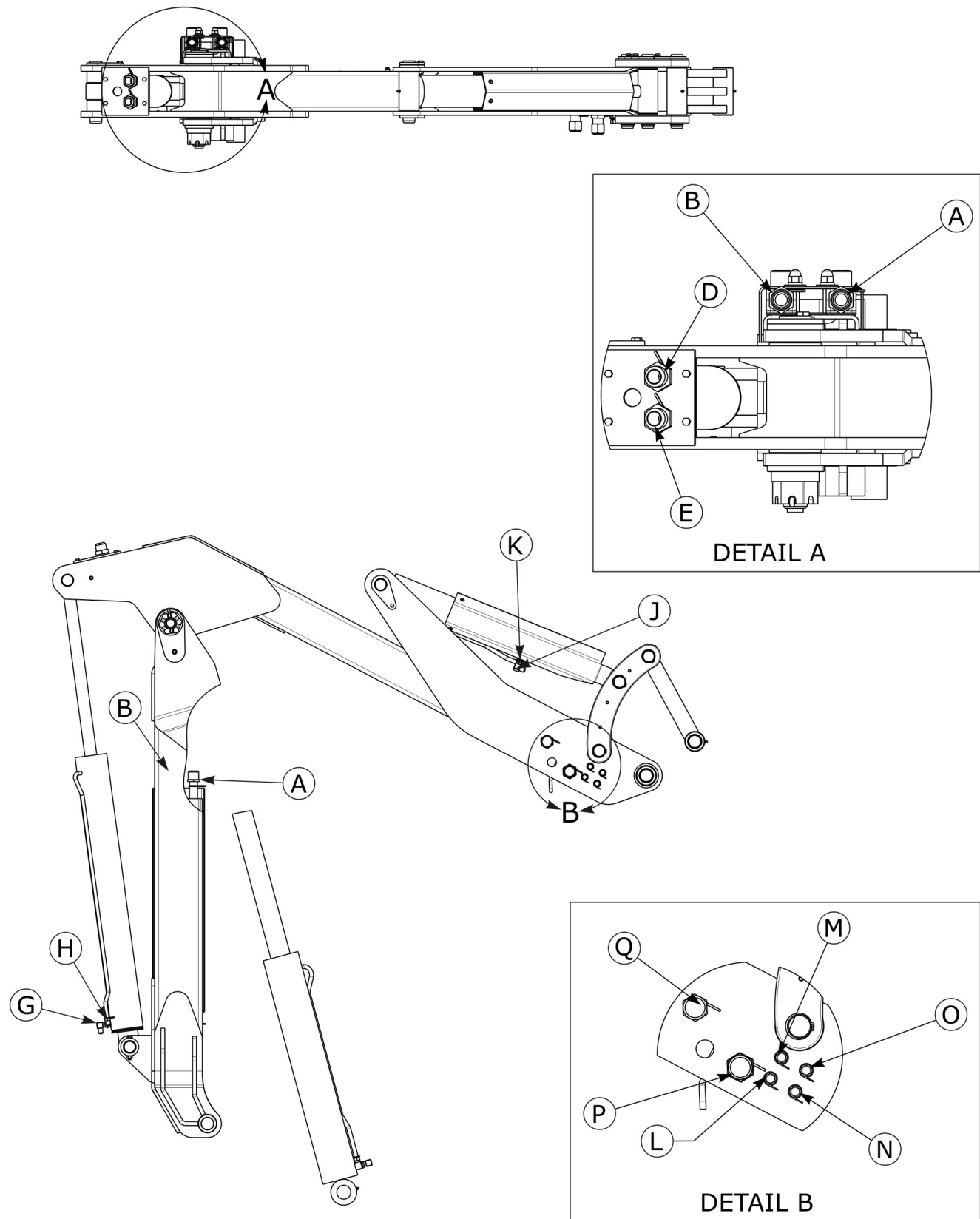


HIGH FRAME MOUNT ASY - 4WD

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------------|
| | 02978450 | 1 | ASY HIGH FRAME 4WD |
| 1 | 02978448 | 1 | WELDMENT FRAME 4WD |
| 2 | 02978000 | 1 | SUB-ASY KINGPOST FRAME |
| 3 | 02978461 | 1 | WLDMT PIN 1-1/2 OD X 6-3/4 LG CHROMED |
| 4 | 02975596 | 1 | TUBE SPACER 3/4 OD X .51 ID X .31 LG |
| 5 | 00013300 | 1 | HHCS 1/2 NC 2 PL5 |
| 6 | 00002700 | 1 | FLATWASHER 1/2 PL STD |
| 7 | 00001800 | 1 | LOCKNUT 1/2 NC PLB |
| 8 | 02960521 | 8 | HHCS 3/4 NC 2-3/4 PL8 |
| 9 | 00037200 | 8 | LOCKNUT 3/4 NC PLC |
| 10 | 5312316 | 16 | WASHER 25/32 X 1-7/16 X 1/8 HARDENED |
| 11 | 02968841 | 1 | ASSEMBLY LIFT CYLINDER |
| 12 | 00725746 | 1 | DECAL SPANISH TRANSL |
| 13 | 02742500 | 3 | ELBOW 16MJ -16MJ90 BULKHEAD |
| 14 | 02962765 | 1 | DECAL MULTI-HAZZARD |
| 15 | 02965262 | 1 | DECAL HOSE BURST |

HOSE ROUTING - 18 FT BOOM

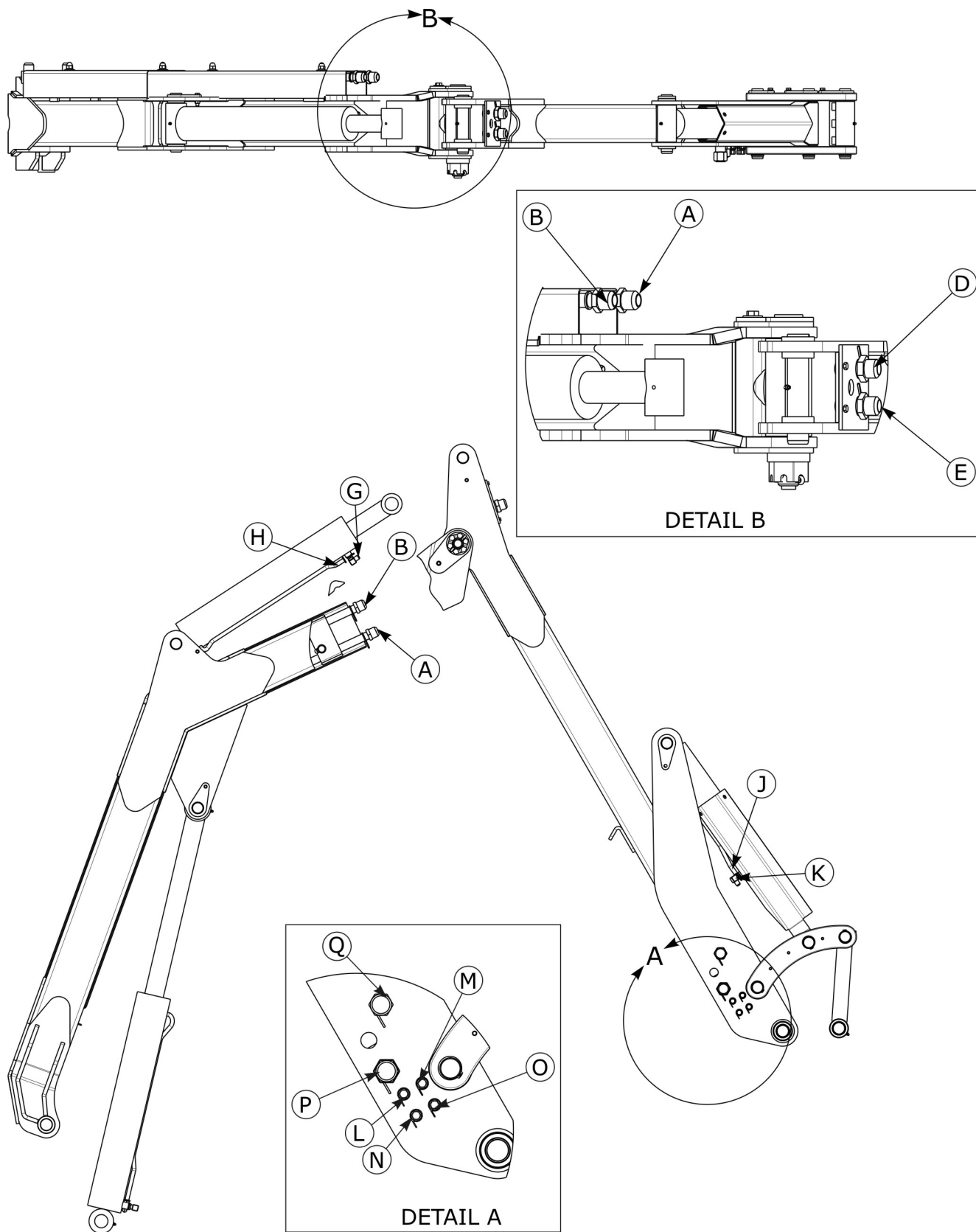


HOSE ROUTING - 18 FT BOOM NOTES

| Hose Part Number | Description | Connection 1 | Connection 2 |
|------------------|-----------------------|--------------|--------------|
| 02983188 | DIPPER BLU | N/A | H |
| 02983189 | DIPPER B/W | N/A | G |
| 02983190 | TILT RED (LIFT) | N/A | 02983194 |
| 02983191 | TILT R/W (LIFT) | N/A | 02983195 |
| 02983192 | DOOR YELLOW (LIFT) | N/A | 02983196 |
| 02983193 | DOOR Y/W (LIFT) | N/A | 02983197 |
| 02983505 | SWIVEL GREEN (LIFT) | N/A | 02983501 |
| 02983506 | SWIVEL G/W (LIFT) | N/A | 02983502 |
| 02983194 | TILT RED (DIPPER) | 02983190 | J |
| 02983195 | TILT R/W (DIPPER) | 02983191 | K |
| 02983196 | DOOR YELLOW (DIPPER) | 02983192 | M |
| 02983197 | DOOR Y/W (DIPPER) | 02983193 | L |
| 02983501 | SWIVEL GREEN (DIPPER) | 02983505 | O |
| 02983502 | SWIVEL G/W (DIPPER) | 02983506 | N |
| 02986107 | MOTOR PRESSURE | A | D |
| 02986108 | MOTOR RETURN | B | E |
| 02986001 | MOTOR PRESSURE | P | D |
| 02986002 | MOTOR RETURN | Q | E |

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------|
| 1 | 02983346 | 1 | HOSE #6-6FJX-6MJ-61LG |
| 2 | 02983347 | 1 | HOSE #6-6FJX-6MJ-61LG |
| 3 | 02983348 | 1 | HOSE #4-4FJX-4MJ-61LG |
| 4 | 02983349 | 1 | HOSE #4-4FJX-4MJ-61LG |
| 5 | 02983531 | 1 | HOSE #4-4FJX-4MJ-61LG |
| 6 | 02983532 | 1 | HOSE #4-4FJX-4MJ-61LG |
| 7 | 02983350 | 1 | HOSE #6-6FJX-6MJ-124LG |
| 8 | 02983351 | 1 | HOSE #6-6FJX-6MJ-124LG |
| 9 | 02983352 | 1 | HOSE #4-4FJX-4MJ-116LG |
| 10 | 02983353 | 1 | HOSE #4-4FJX-4MJ-116LG |
| 11 | 02983533 | 1 | HOSE #4-4FJX-4MJ-116LG |
| 12 | 02983534 | 1 | HOSE #4-4FJX-4MJ-116LG |
| 13 | 02984267 | 1 | HOSE #6-6FJX-6MJ-36LG |
| 14 | 02984268 | 1 | HOSE #6-6FJX-6MJ-36LG |
| 15 | 02984833 | 1 | HOSE #16-16FJX-16FJX45-54LG |
| 16 | 02984834 | 1 | HOSE #16-16FJX-16FJX45-58-1/2 |
| 17 | 02986007 | 1 | HOSE #16-16FJX-16FJX90-62-1/2 |
| 18 | 02986008 | 1 | HOSE #16-16FJX-16FJX90-58-3/4 |
| 19 | 02961085 | 1 | CORDURA SLEEVING-54 LG |
| 20 | 02982334 | 1 | CORDURA SLEEVE, 2.54ID, 10LG |
| 21 | 02983079 | 1 | SLEEVE 66" CORDURA 2.54 ID |

HOSE ROUTING - 22 FT BOOM

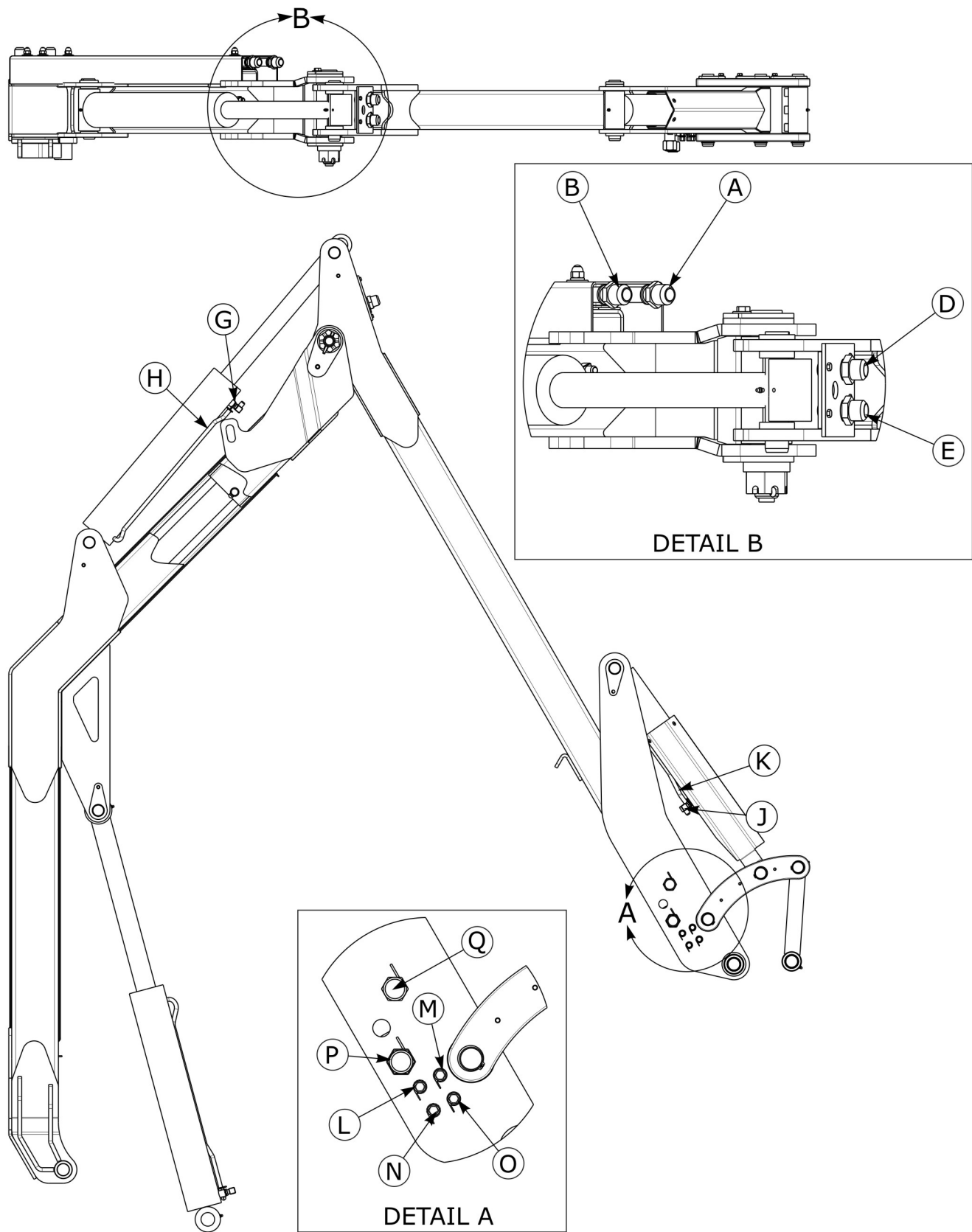


HOSE ROUTING - 22 FT BOOM NOTES

| Hose Part Number | Description | Connection 1 | Connection 2 |
|------------------|-----------------------|--------------|--------------|
| 02983188 | DIPPER BLU | N/A | H |
| 02983189 | DIPPER B/W | N/A | G |
| 02983190 | TILT RED (LIFT) | N/A | 02983194 |
| 02983191 | TILT R/W (LIFT) | N/A | 02983195 |
| 02983192 | DOOR YELLOW (LIFT) | N/A | 02983196 |
| 02983193 | DOOR Y/W (LIFT) | N/A | 02983197 |
| 02983505 | SWIVEL GREEN (LIFT) | N/A | 02983501 |
| 02983506 | SWIVEL G/W (LIFT) | N/A | 02983502 |
| 02983194 | TILT RED (DIPPER) | 02983190 | J |
| 02983195 | TILT R/W (DIPPER) | 02983191 | K |
| 02983196 | DOOR YELLOW (DIPPER) | 02983192 | M |
| 02983197 | DOOR Y/W (DIPPER) | 02983193 | L |
| 02983501 | SWIVEL GREEN (DIPPER) | 02983505 | O |
| 02983502 | SWIVEL G/W (DIPPER) | 02983506 | N |
| 02986107 | MOTOR PRESSURE | A | D |
| 02986108 | MOTOR RETURN | B | E |
| 02986001 | MOTOR PRESSURE | P | D |
| 02986002 | MOTOR RETURN | Q | E |

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------|
| 1 | 02983188 | 1 | HOSE #6-6FJX-6MJ-126LG |
| 2 | 02983189 | 1 | HOSE #6-6FJX-6MJ-126LG |
| 3 | 02983190 | 1 | HOSE #6-6FJX-6MJ-102LG |
| 4 | 02983191 | 1 | HOSE #6-6FJX-6MJ-102LG |
| 5 | 02983192 | 1 | HOSE #4-4FJX-4MJ-102LG |
| 6 | 02983193 | 1 | HOSE #4-4FJX-4MJ-102LG |
| 7 | 02983505 | 1 | HOSE #4-4FJX-4MJ-102LG |
| 8 | 02983506 | 1 | HOSE #4-4FJX-4MJ-102LG |
| 9 | 02983194 | 1 | HOSE #6-6FJX-6MJ-158LG |
| 10 | 02983195 | 1 | HOSE #6-6FJX-6MJ-158LG |
| 11 | 02983196 | 1 | HOSE #4-4FJX-4MJ-158LG |
| 12 | 02983197 | 1 | HOSE #4-4FJX-4MJ-158LG |
| 13 | 02983501 | 1 | HOSE #4-4FJX-4MJ-158LG |
| 14 | 02983502 | 1 | HOSE #4-4FJX-4MJ-158LG |
| 15 | 02986107 | 1 | HOSE #16-16FJX-16FJX-62LG |
| 16 | 02986108 | 1 | HOSE #16-16FJX-16FJX-62LG |
| 17 | 02986001 | 1 | HOSE #16-16FJX-16FJX90-88 |
| 18 | 02986002 | 1 | HOSE #16-16FJX-16FJX90-83-5/8 |
| 19 | 02961085 | 1 | CORDURA SLEEVING-54 LG |
| 20 | 02982334 | 1 | CORDURA SLEEVE, 2.54ID, 10LG |
| 21 | 02983079 | 1 | SLEEVE 66" CORDURA 2.54 ID |

HOSE ROUTING - 25 FT BOOM



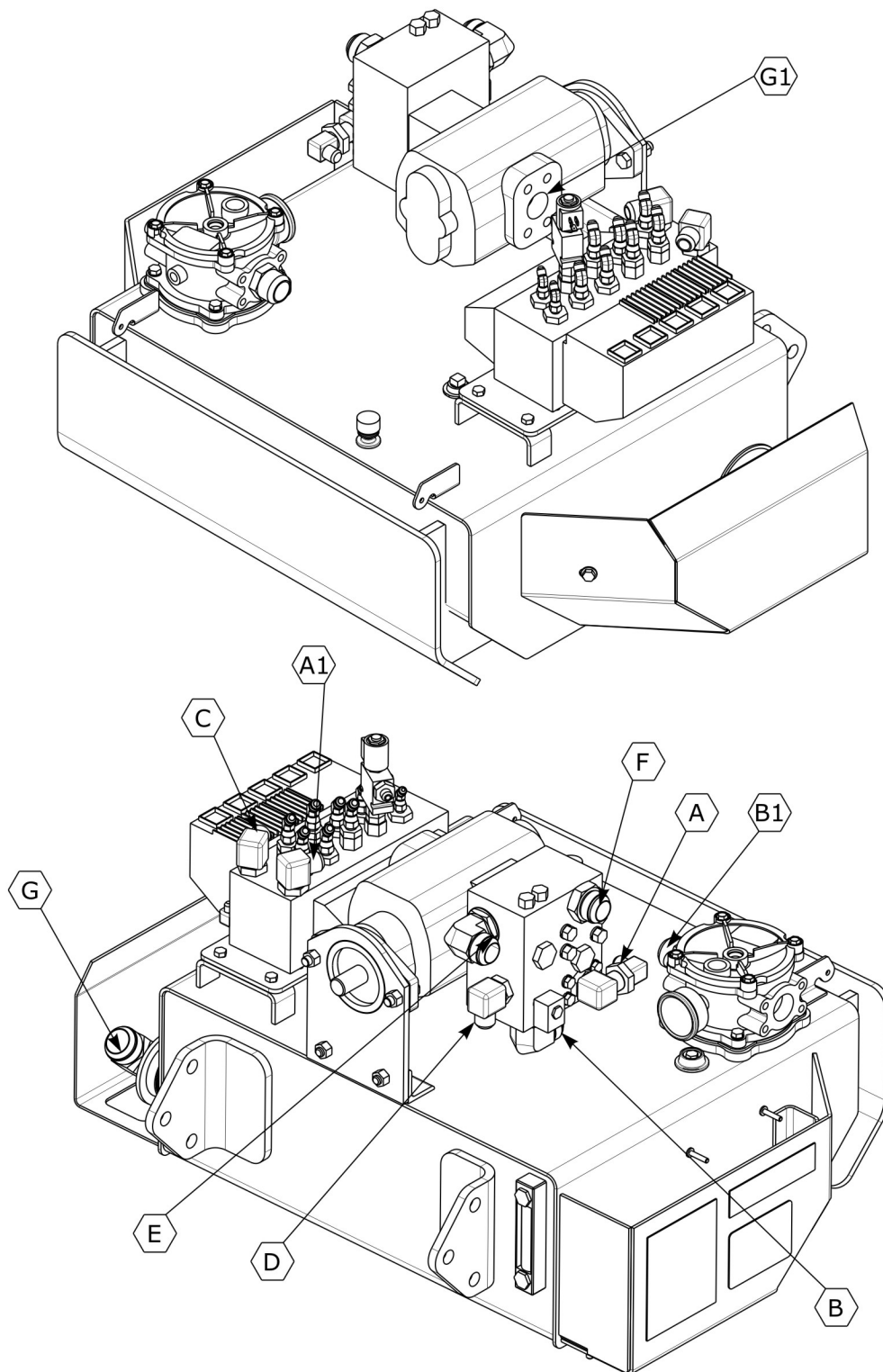
HOSE ROUTING - 25 FT BOOM NOTES

| Hose Part Number | Description | Connection 1 | Connection 2 |
|------------------|-----------------------|--------------|--------------|
| 02983188 | DIPPER BLU | N/A | H |
| 02983189 | DIPPER B/W | N/A | G |
| 02983190 | TILT RED (LIFT) | N/A | 02983194 |
| 02983191 | TILT R/W (LIFT) | N/A | 02983195 |
| 02983192 | DOOR YELLOW (LIFT) | N/A | 02983196 |
| 02983193 | DOOR Y/W (LIFT) | N/A | 02983197 |
| 02983505 | SWIVEL GREEN (LIFT) | N/A | 02983501 |
| 02983506 | SWIVEL G/W (LIFT) | N/A | 02983502 |
| 02983194 | TILT RED (DIPPER) | 02983190 | J |
| 02983195 | TILT R/W (DIPPER) | 02983191 | K |
| 02983196 | DOOR YELLOW (DIPPER) | 02983192 | M |
| 02983197 | DOOR Y/W (DIPPER) | 02983193 | L |
| 02983501 | SWIVEL GREEN (DIPPER) | 02983505 | O |
| 02983502 | SWIVEL G/W (DIPPER) | 02983506 | N |
| 02986107 | MOTOR PRESSURE | A | D |
| 02986108 | MOTOR RETURN | B | E |
| 02986001 | MOTOR PRESSURE | P | D |
| 02986002 | MOTOR RETURN | Q | E |

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------|
| 1 | 02983188 | 1 | HOSE #6-6FJX-6MJ-126LG |
| 2 | 02983189 | 1 | HOSE #6-6FJX-6MJ-126LG |
| 3 | 02983190 | 1 | HOSE #6-6FJX-6MJ-102LG |
| 4 | 02983191 | 1 | HOSE #6-6FJX-6MJ-102LG |
| 5 | 02983192 | 1 | HOSE #4-4FJX-4MJ-102LG |
| 6 | 02983193 | 1 | HOSE #4-4FJX-4MJ-102LG |
| 7 | 02983505 | 1 | HOSE #4-4FJX-4MJ-102LG |
| 8 | 02983506 | 1 | HOSE #4-4FJX-4MJ-102LG |
| 9 | 02983194 | 1 | HOSE #6-6FJX-6MJ-158LG |
| 11 | 02983196 | 1 | HOSE #4-4FJX-4MJ-158LG |
| 12 | 02983197 | 1 | HOSE #4-4FJX-4MJ-158LG |
| 13 | 02983501 | 1 | HOSE #4-4FJX-4MJ-158LG |
| 14 | 02983502 | 1 | HOSE #4-4FJX-4MJ-158LG |
| 15 | 02986107 | 1 | HOSE #16-16FJX-16FJX-62LG |
| 16 | 02986108 | 1 | HOSE #16-16FJX-16FJX-62LG |
| 17 | 02986001 | 1 | HOSE #16-16FJX-16FJX90-88 |
| 18 | 02986002 | 1 | HOSE #16-16FJX-16FJX90-83-5/8 |
| 19 | 02961085 | 1 | CORDURA SLEEVING-54 LG |
| 20 | 02982334 | 1 | CORDURA SLEEVE, 2.54ID, 10LG |
| 21 | 02983079 | 1 | SLEEVE 66" CORDURA 2.54 ID |

HOSE ROUTING - ELECTRO HYDRAULIC KIT

See Hose Routing Notes



HOSE ROUTING - ELECTRO HYDRAULIC KIT NOTES

HOSE CONNECTION DIAGRAM

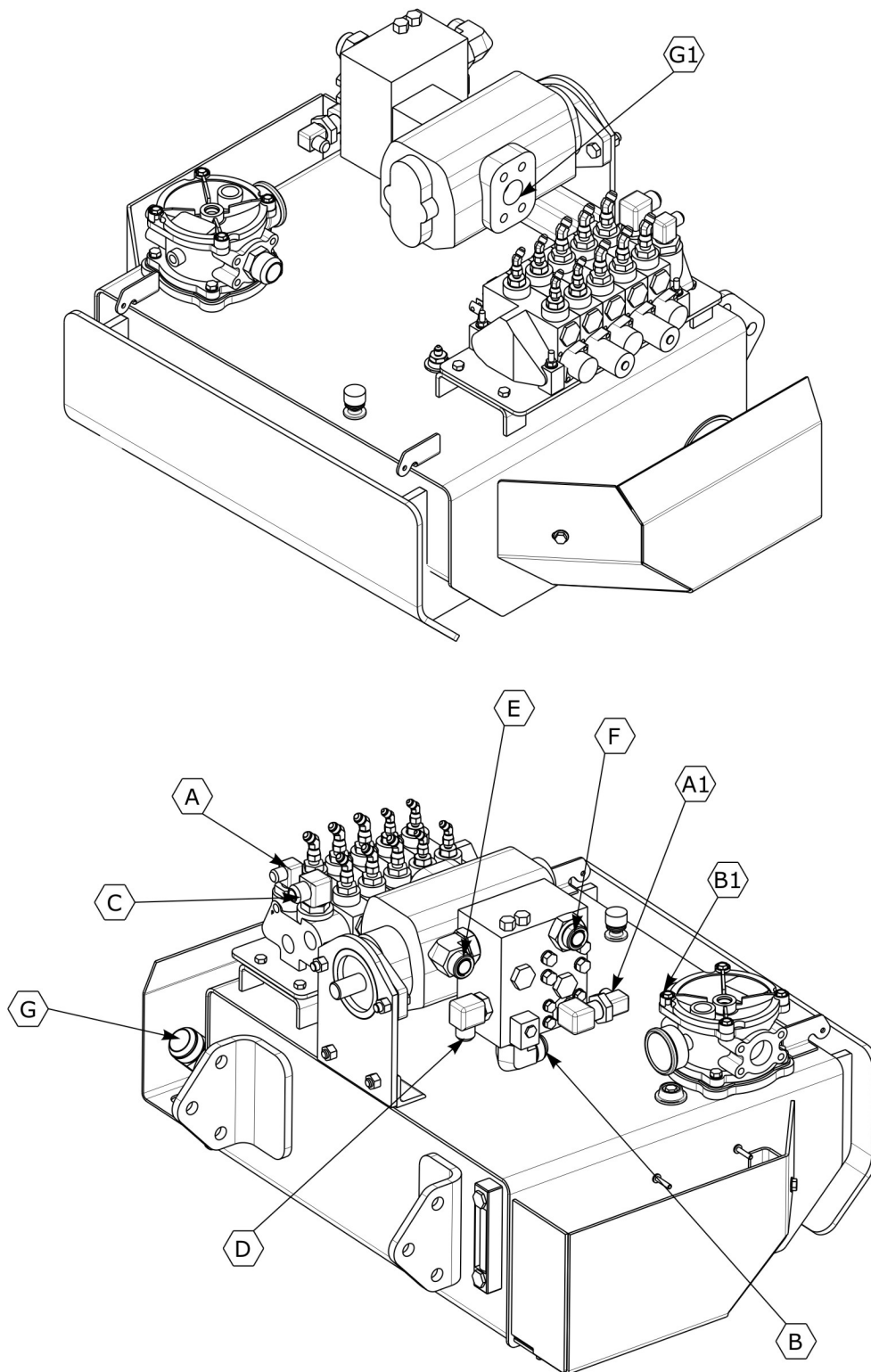
*NOTE HOSES MAY BE SUPPLIED IN COMMON BOX OR IN COMPONENT BOX OF MOUNT KIT. THEY MAY NOT BE SUPPLIED WITH TANK ASSEMBLY.

| | | |
|---------|----------|----------------------------|
| A TO A1 | 02906100 | PUMP TO VALVE PRESSURE |
| B TO B1 | 02975386 | RETURN TO TANK |
| C | 02983212 | VALVE RETURN TO OIL COOLER |
| D | 02983214 | OIL COOLER TO MANIFOLD |
| E | REF | RETURN FROM MOTOR (ORANGE) |
| F | REF | PRESSURE TO MOTOR (RED) |
| G1 | REF | PUMP SUCTION TO TANK |

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------|
| | 02906100 | 1 | HOSE #8 - 8FJX - 8FJX90- 32LG |
| | 02975386 | 1 | HOSE #20-20FJX -20FJX - 31LG |
| | 02983212 | 1 | HOSE #12-12FJX-12FJX90-30LG |
| | 02983214 | 1 | HOSE #12-12FJX-12FJX-16LG |

HOSE ROUTING - MANUAL HYDRAULIC KIT

See Hose Routing Notes



HOSE ROUTING - MANUAL HYDRAULIC KIT NOTES

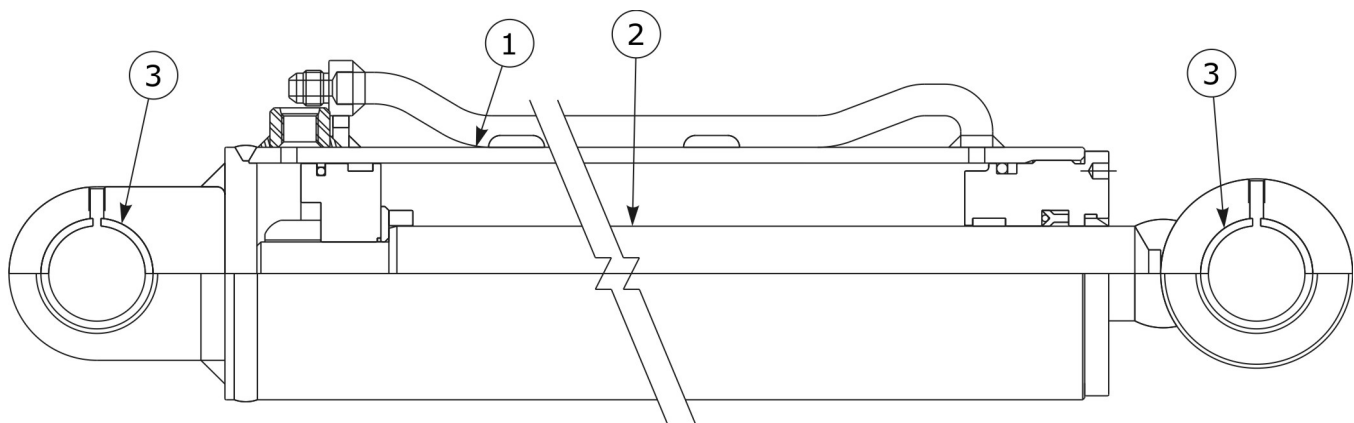
HOSE CONNECTION DIAGRAM

*NOTE HOSES MAY BE SUPPLIED IN COMMON BOX OR IN COMPONENT BOX OF MOUNT KIT. THEY MAY NOT BE SUPPLIED WITH TANK ASSEMBLY.

| | | |
|---------|----------|----------------------------|
| A TO A1 | 02906100 | PUMP TO VALVE PRESSURE |
| B TO B1 | 02983485 | RETURN TO TANK |
| C | 02983212 | VALVE RETURN TO OIL COOLER |
| D | 02983214 | OIL COOLER TO MANIFOLD |
| E | REF | RETURN FROM MOTOR (ORANGE) |
| F | REF | PRESSURE TO MOTOR (RED) |
| G TO G1 | REF | PUMP SUCTION TO TANK |

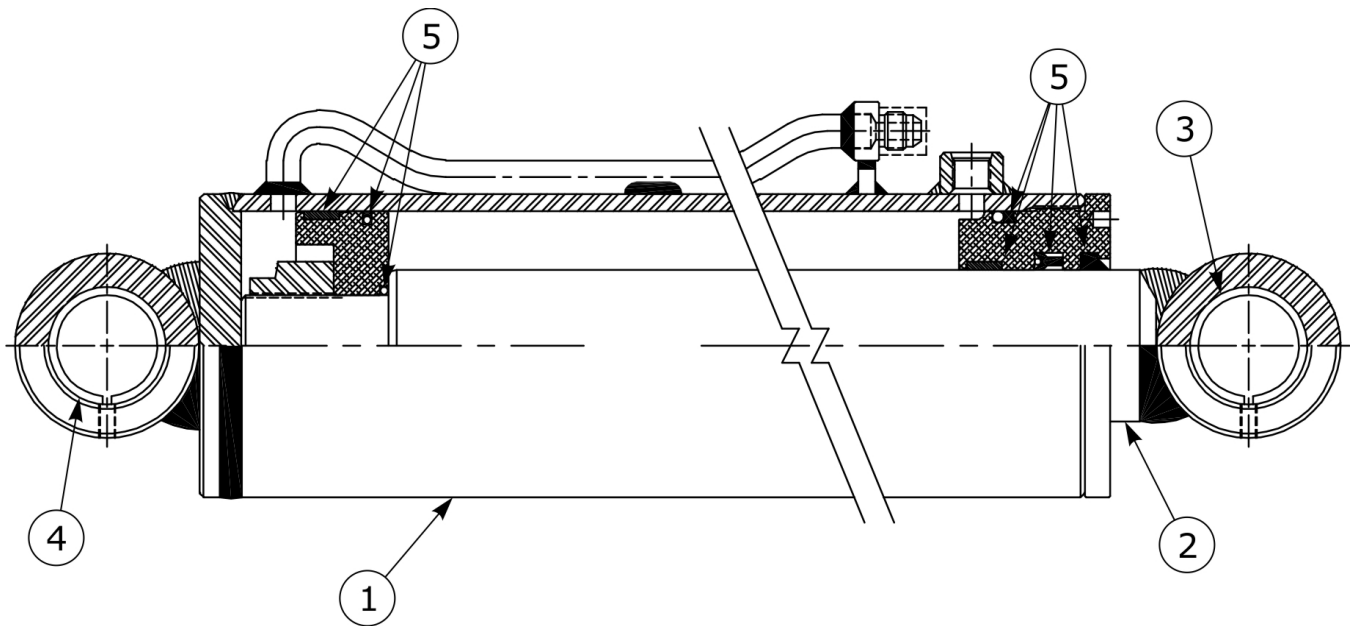
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------|
| | 02906100 | 1 | HOSE #8 - 8FJX - 8FJX90- 32LG |
| | 02983485 | 1 | HOSE #20-20FJX -20FJX90-16LG |
| | 02983212 | 1 | HOSE #12-12FJX-12FJX90-30LG |
| | 02983214 | 1 | HOSE #12-12FJX-12FJX-16LG |

HYDARULIC CYLINDER ASY - DIPPER 18 FT BOOM



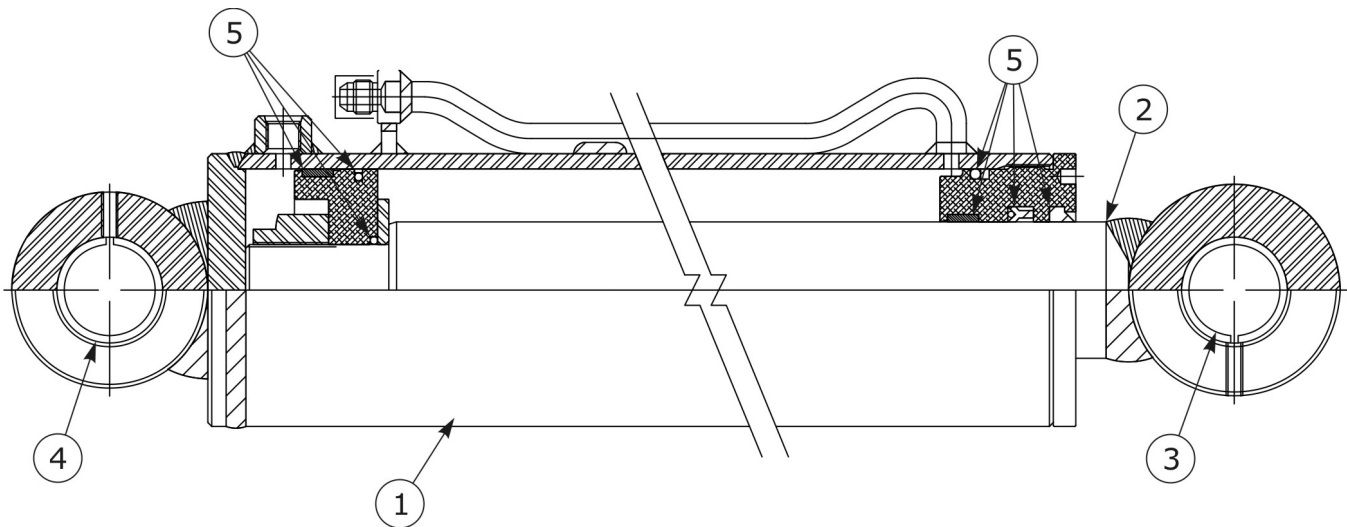
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------|
| | 02983320 | 1 | CYLINDER, 3.5B X 1.5R X 30.0S |
| 1 | 02987928 | 1 | ASSEMBLY ROD |
| 2 | 02987927 | 1 | ASSY, BARREL |
| | 02987929 | 1 | KIT, SEAL, DIPPER |

HYDARULIC CYLINDER ASY - DIPPER 22-25 FT BOOM



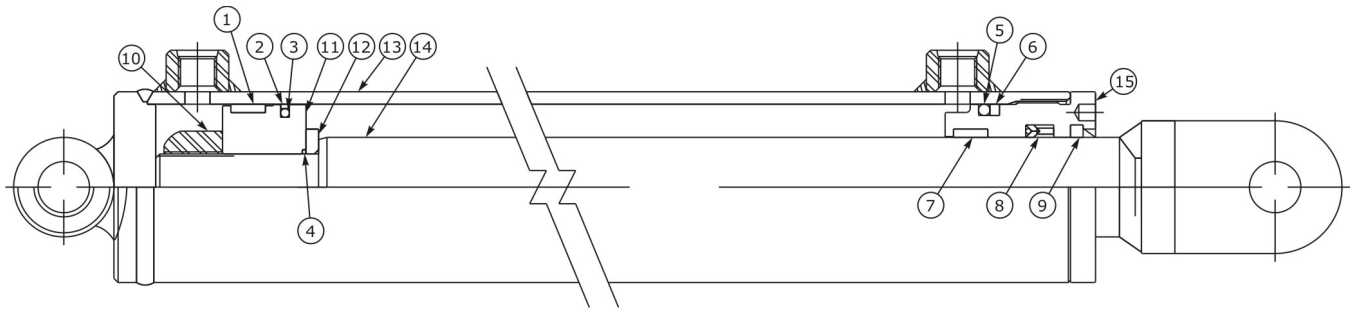
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| | 02981277 | 1 | HYD CYL ASY, 4" BORE X 21.5" STROKE (22 & 25 FT BOOM) |
| 1 | 02981925 | 1 | BARREL WLDMT |
| 2 | 02981926 | 1 | ROD WLDMT |
| 3 | 02982250 | 2 | BUSHING, ROD END 1-1/2" LG |
| 4 | 02982251 | 2 | BUSHING, BARREL END 2" LG |
| 5 | 02982068 | 1 | SEAL KIT |

HYDARULIC CYLINDER ASY - LIFT BOOM



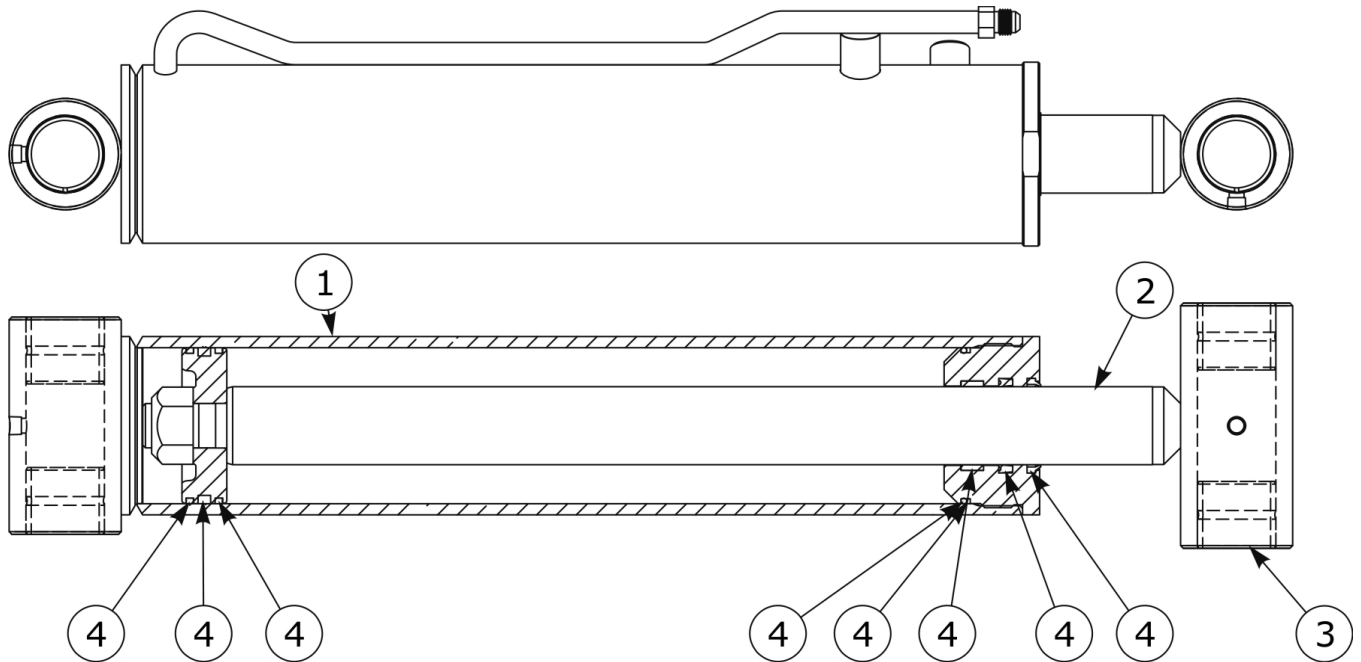
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------------|
| | 02981279 | 1 | CYLINDER ASY, 4" BORE X 24.63" STROKE |
| 1 | 02981929 | 1 | BARREL WELDMENT |
| 2 | 02981930 | 1 | ROD WELDMENT |
| 3 | 02982250 | 2 | BUSHING, ROD END 1-1/2" LG |
| 4 | 02982251 | 2 | BUSHING, BARREL END 2" LG |
| 5 | 02982068 | 1 | SEAL KIT |

HYDRAULIC CYLINDER ASY - HEAD SWIVEL



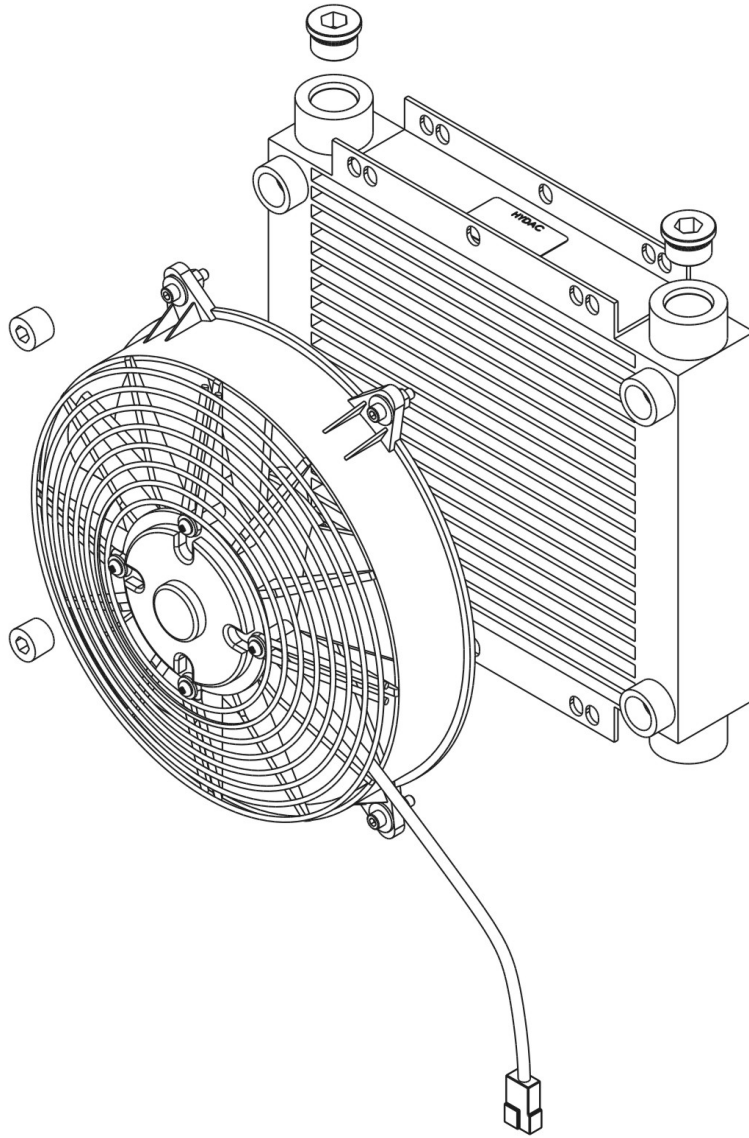
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| | 02962112 | 1 | HYD. MOTOR ASY, CAST IRON HSG. & SPLINED SHAFT |
| 1 | 02961933 | 1 | SNAP RING |
| 2 | * | 1 | O-RING (SEE ITEM 19 & 20) |
| 3 | 02961932 | 1 | RETAINER SEAL |
| 4 | * | 2 | SEAL (SEE ITEM 19 & 20) |
| 5 | 02961926 | 1 | MOUNTING FLANGE |
| 6 | 02961940 | 1 | PLUG HEX SKT HD |
| 7 | 02961931 | 2 | CHECK ASY. |
| 8 | * | 4 | SEAL END (SEE ITEM 19 & 20) |
| 9 | * | 2 | THRUST PLATES (SEE ITEM 20) |
| 10 | 02962287 | 1 | KIT GEAR SET |
| 11 | * | 2 | SQUARE SEAL (SEE ITEM 19 & 20) |
| 12 | 02961924 | 4 | PINS-DOWEL |
| 13 | 02962288 | 1 | HOUSING GEAR |
| 14 | 02961927 | 1 | PORTING FLANGE |
| 15 | 02961917 | 4 | WASHER |
| 16 | 02962289 | 4 | BOLT |
| 17 | * | 4 | SIADSE SEAL, NOT SHOWN (SEE ITEM 19 & 20) |
| 18 | 02962286 | 1 | RETAINER SEAL |
| 19 | 02962538 | 1 | SEAL KIT, MINOR REBUILD KIT (ITEMS 2,4,8,11,17) |
| 20 | 02961939 | 1 | SEAL KIT, MAJOR REBUILD (ITEMS 2,4,8,9,11,17) |

HYDRAULIC CYLINDER ASY - TILT



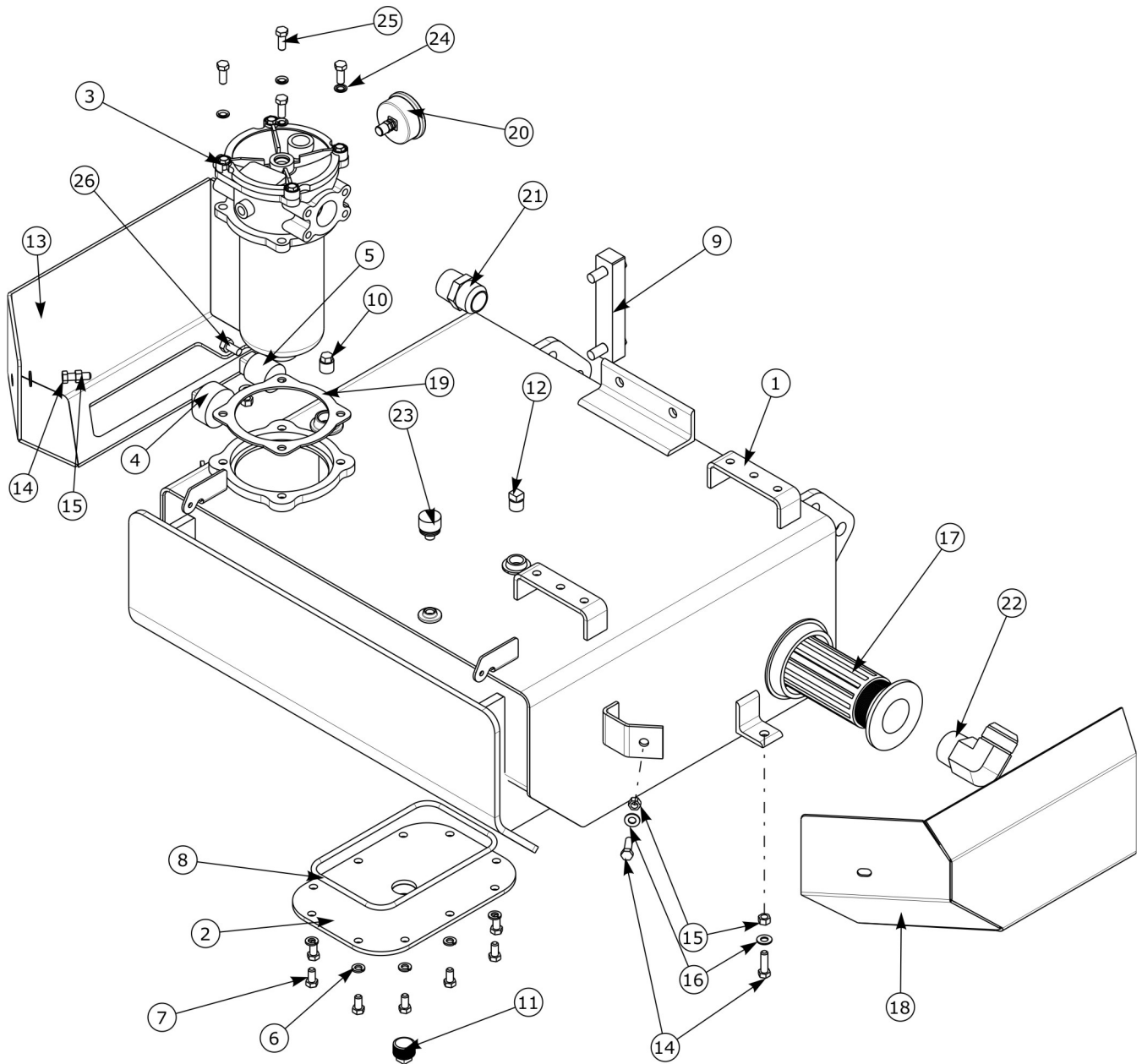
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------------|
| | 02984944 | 1 | CYLINDER, 3.5B X 1.75R X16S |
| 1 | 02986266 | 1 | BARREL WLD`MT |
| 2 | 02986287 | 1 | ROD WLD`MT |
| 3 | 02982250 | 2 | BUSHING ROD END 1-1/2" LG |
| 4 | 02986288 | 1 | SEAL KIT |

HYDRAULIC OIL COOLER AND FAN ASY



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------------|
| 1 | 02981377 | 1 | HYD OIL COOLER & ELECTRIC FAN ASY. |
| | 02981886 | 1 | HEAT EXCHANGE CORE |
| | 02981887 | 1 | HEAT EXCHANGE FAN |

HYDRAULIC TANK SUB-ASY - ELECTRO/MANUAL

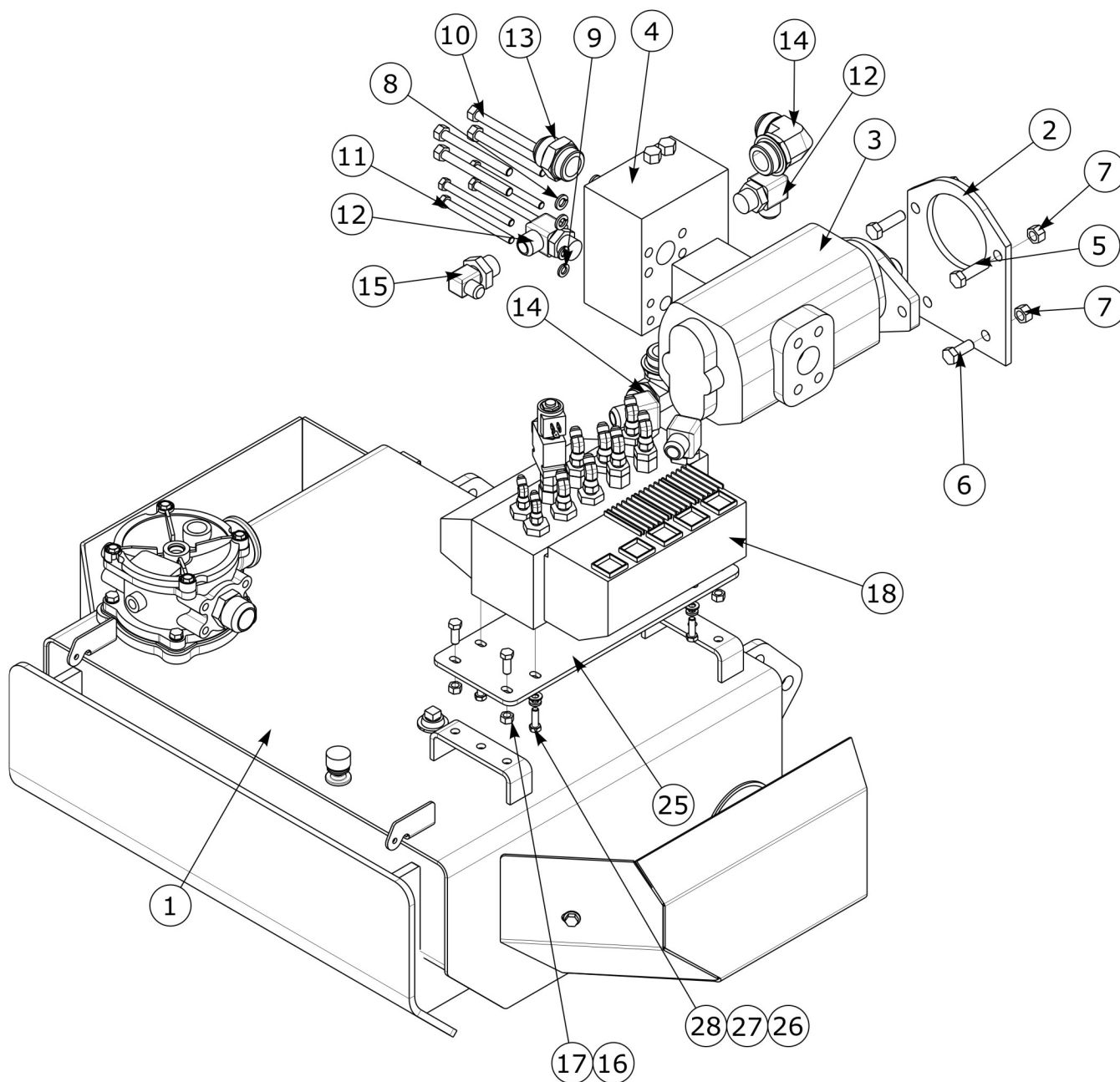


HYDRAULIC TANK SUB-ASY - ELECTRO/MANUAL

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------------------|
| | 02982882 | 1 | SUB-ASY HYDRAULIC TANK |
| 1 | 02981389 | 1 | TANK, WELDMENT, HYDRAULIC |
| 2 | 02981413 | 1 | WELDMENT, COVER, CLEANOUT |
| 3 | 02964748 | 1 | FILTER ASSEMBLY, MODIFIED |
| 4 | 02982884 | 1 | PIPE PLUG 2" |
| 5 | 02979618 | 1 | PIPE PLUG 1-1/4" |
| 6 | 00012101 | 10 | LOCKWASHER, 3/8" PL |
| 7 | 00002000 | 10 | HHCS 3/8 NC 3/4 PL5 |
| 8 | 02981400 | 1 | O-RING, CLEANOUT SEAL |
| 9 | 02968880 | 1 | GAUGE, TEMP LEVEL INDICATOR |
| 10 | 0221900 | 1 | PIPE PLUG 3/4" |
| 11 | 02963659 | 1 | PLUG, MAGNETIC 1" NPT |
| 12 | 00749508 | 1 | PLUG 1/2" NPT |
| 13 | 02981386 | 1 | ASY, SHIELD FORMED |
| 14 | 00753642 | 4 | HHCS 3/8 NC 1-1/4 PL5 |
| 15 | 00015800 | 4 | LOCKNUT TLM 3/8 NC PLC |
| 16 | 00011100 | 4 | FLATWASHER 3/8 STD |
| 17 | 02982847 | 1 | STRAINER, SUCTION 3 WITH 2 OUTLET |
| 18 | 02982871 | 1 | DRIVER SIDE COVER WELDMENT |
| 19 | 02963662 | 1 | GASKET, FILTER ASY, FIBER |
| 20 | 02962963 | 1 | DIAL INDICATOR - IN TANK FILTER |
| 21 | 02960809 | 1 | ADP, HYD STGHT 20MP-20MJ |
| 22 | 02982990 | 1 | HYD, ELBOW 32 MP - 24 MJ 90 |
| 23 | 02983078 | 1 | NYLON BREATHER FILTER NY-4 |
| 24 | 02962864 | 4 | WASHER, SEALING 3/8 |
| 25 | 00011400 | 4 | BOLT, HHCS 3/8 NC 1 PL5 |
| 26 | 02983378 | 1 | HHCS M10-P1.0-20MM |

HYDRAULIC TANK W/PUMP AND VALVE ASY - ELECTRO

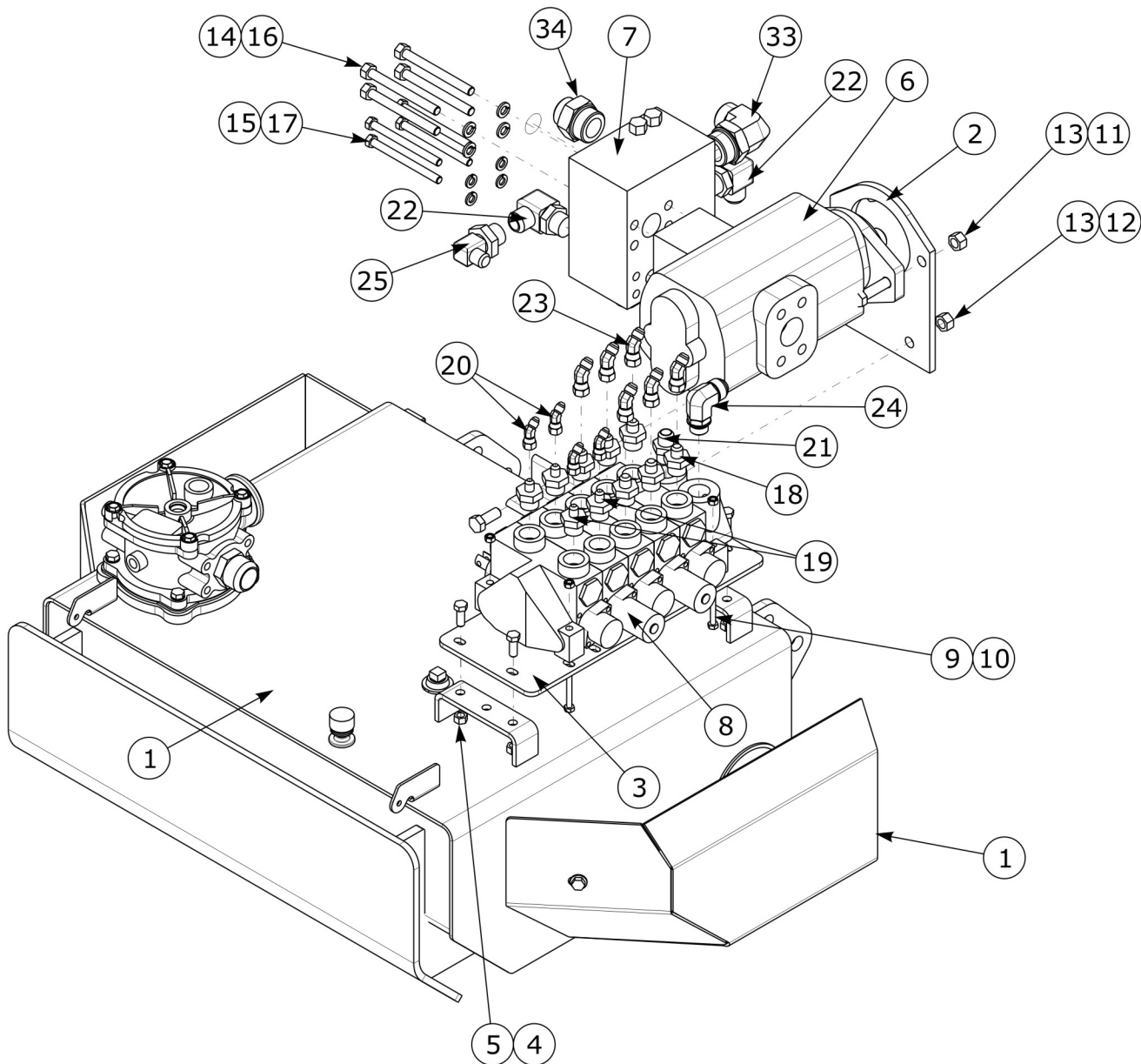


HYDRAULIC TANK W/PUMP AND VALVE ASY - ELECTRO

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| | 02987521 | 1 | ASY, TANK, ELECVALVE, SAMURAI |
| 1 | 02982882 | 1 | ASY, TANK, HYDRAULIC |
| 2 | 02981468 | 1 | BRACKET, SHIPPING |
| 3 | 02985600 | 1 | FRT PUMP ASY - TANDEM |
| 4 | 02985599 | 1 | CUTTER BLOCK, AXTREME 28 |
| 5 | 02891800 | 2 | HHCS 1/2 NC 1-3/4 PL8 |
| 6 | 02776600 | 2 | HHCS 1/2 NC X 1 1/4 PL8 |
| 7 | 00001800 | 4 | LOCKNUT TLM 1/2 NC PLB |
| 8 | 00022200 | 4 | LOCKWASHER 7/16 PL |
| 9 | 00012101 | 4 | LOCKWASHER, 3/8" PL |
| 10 | 02970451 | 4 | HHCS 7/16 NC 4-1/2 PL8 |
| 11 | 02972565 | 4 | HHCS 3/8 NC 4-1/2 PL5 |
| 12 | 02090800 | 2 | ADP, HYD ELBOW 12MB - 12MJ 90 |
| 13 | 02960807 | 1 | ADP HYD STGHT 20MB-20MJ |
| 14 | 02961098 | 2 | 20 MB - 20 MJ 90° |
| 15 | 02161400 | 1 | ADP, HYD ELBOW 12MB - 8MJ 90 |
| 16 | 00011400 | 4 | BOLT, HHCS 3/8 NC 1 PL5 |
| 17 | 00015800 | 4 | LOCKNUT TLM 3/8 NC PLC |
| 18 | 02987522 | 1 | ASY, VALVE & FITTINGS |
| 19 | 02987402 | 1 | DECAL, ELECTRO VALVE LAYOUT M2 PVG32 |
| 20 | 02971943 | 1 | DECAL, LOGO RECT CLEAR Y/W, 2 7/8 X 20 |
| 21 | 02965262 | 1 | DECAL - WARNING - HOSE BURST |
| 22 | 02971123 | 1 | DECAL WARNING PRESS TANK |
| 23 | 02982828 | 1 | DECAL, TEMP RANGE |
| 24 | 02982583 | 1 | DO NOT WELD MAVERICK |
| 25 | 02983892 | 1 | PLATE, ADP, PVG32 |
| 26 | 00023500 | 4 | FLATWASHER 5/16, TYPE AW, ZP |
| 27 | 00011700 | 4 | LOCKWASHER 5/16 PL STD |
| 28 | 10119000 | 4 | HHCS 5/16 NC 1 PL5 |

HYDRAULIC TANK W/PUMP AND VALVE ASY - MANUAL

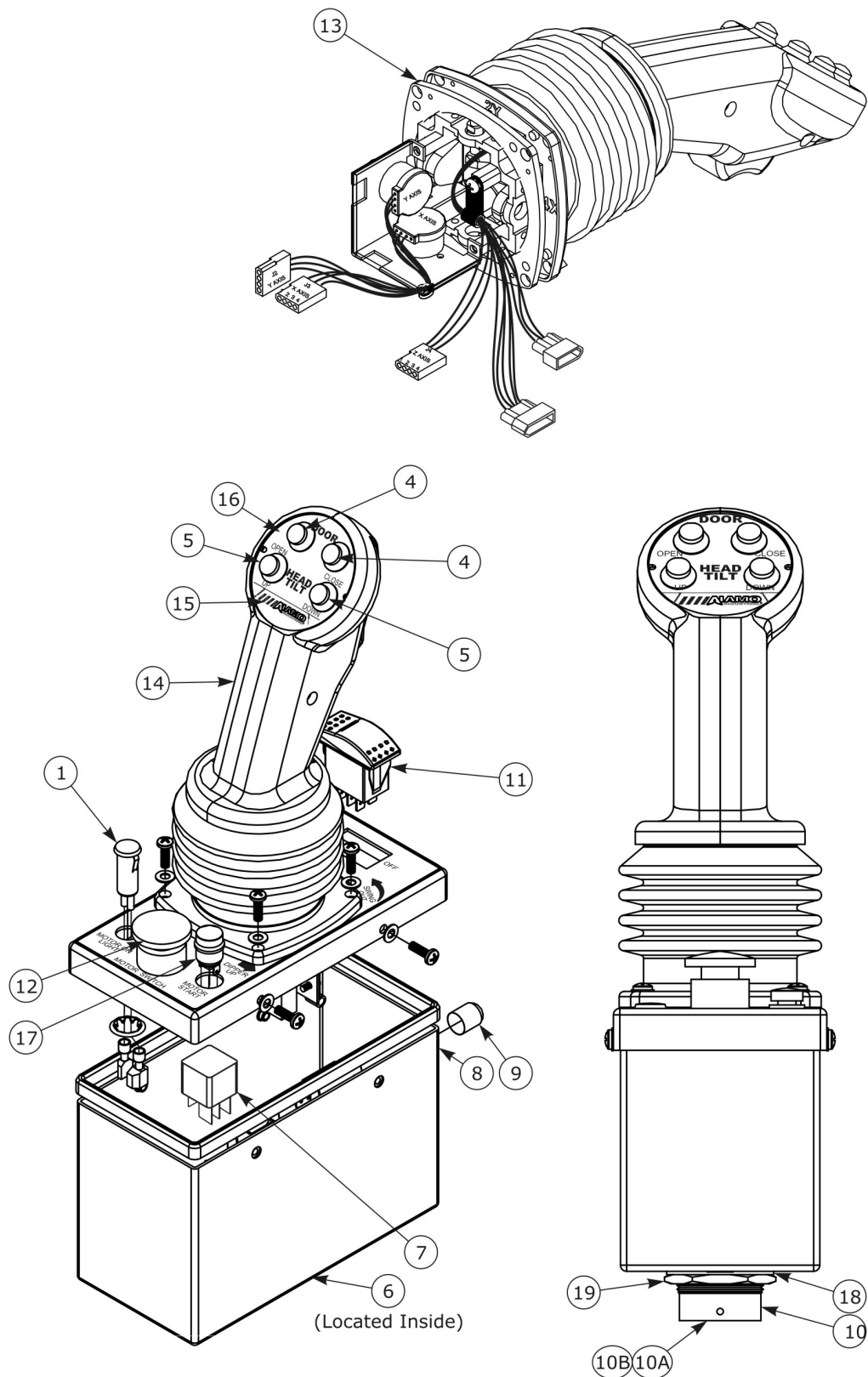


HYDRAULIC TANK W/PUMP AND VALVE ASY - MANUAL

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| | 02987518 | 1 | ASY, TANK, MAN VALVE, SAMURAI |
| 1 | 02982882 | 1 | ASY, TANK, HYDRAULIC |
| 2 | 02981468 | 1 | BRACKET, SHIPPING |
| 3 | 02987519 | 1 | VALVE MOUNT PLATE |
| 4 | 00011400 | 4 | BOLT, HHCS 3/8 NC 1 PL5 |
| 5 | 00015800 | 4 | LOCKNUT TLM 3/8 NC PLC |
| 6 | 02985600 | 1 | FRT PUMP ASY - TANDEM |
| 7 | 02985599 | 1 | CUTTER BLOCK, AXTREME 28 |
| 8 | 02987538 | 1 | VALVE DIR CTRL 5-SPOOL |
| 9 | 0461600 | 3 | HHCS 1/4-20 NC X 2-1/4 PL5 |
| 10 | 02959924 | 3 | NUT, TOPLOCK 1/4 NC PLB |
| 11 | 02891800 | 2 | HHCS 1/2 NC 1-3/4 PL8 |
| 12 | 02776600 | 2 | HHCS 1/2 NC X 1 1/4 PL8 |
| 13 | 00001800 | 4 | LOCKNUT TLM 1/2 NC PLB |
| 14 | 00022200 | 4 | LOCKWASHER 7/16 PL |
| 15 | 00012101 | 4 | LOCKWASHER, 3/8" PL |
| 16 | 02970451 | 4 | HHCS 7/16 NC 4-1/2 PL8 |
| 17 | 02972565 | 4 | HHCS 3/8 NC 4-1/2 PL5 |
| 18 | 02972177 | 6 | ADP, HYD ST 10MB - 6MJ |
| 19 | 02972179 | 4 | ADP, HYD ST 10MB - 4MJ |
| 20 | 02976532 | 4 | ADP, HYD, 4MJ-4FJX 45 |
| 21 | 02042300 | 1 | ADP, HYD ST 10MB - 8MJ |
| 22 | 02090800 | 2 | ADP, HYD ELBOW 12MB - 12MJ 90 |
| 23 | 02976531 | 6 | ADP HYD ELBOW 6MJ-6FJX 45 |
| 24 | 02983377 | 1 | ADAPTER, 12MJ-10MB90 |
| 25 | 02161400 | 1 | ADP, HYD ELBOW 12MB - 8MJ 90 |
| 26 | 02987520 | 1 | DECAL, MANUAL VALVE LAYOUT SAM V20 |
| 27 | 02971943 | 1 | DECAL, LOGO RECT CLEAR Y/W, 2 7/8 X 20 |
| 28 | 02965262 | 1 | DECAL - WARNING - HOSE BURST |
| 29 | 02971123 | 1 | DECAL WARNING PRESS TANK |
| 30 | 02982828 | 1 | DECAL, TEMP RANGE |
| 31 | 02982583 | 1 | DO NOT WELD MAVERICK |
| 32 | 02961098 | 1 | 20 MB - 20 MJ 90° |
| 33 | 03200298 | 1 | ADP 20MB-16MJ 90° |
| 34 | 02961006 | 1 | ADP 20MB-16MJ |

JOYSTICK CONSOLE ASY

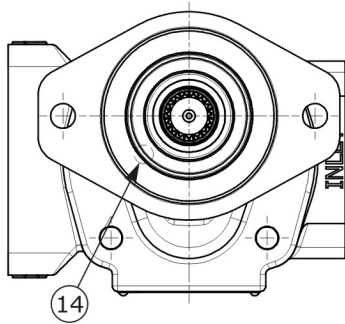
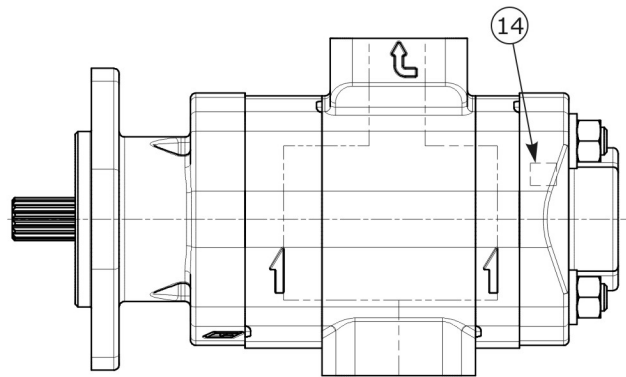
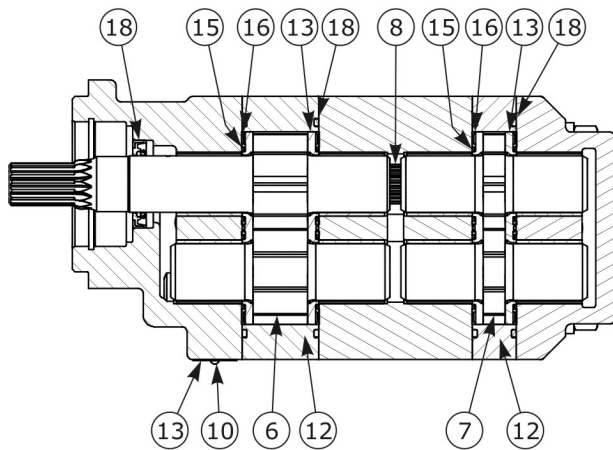


JOYSTICK CONSOLE ASY

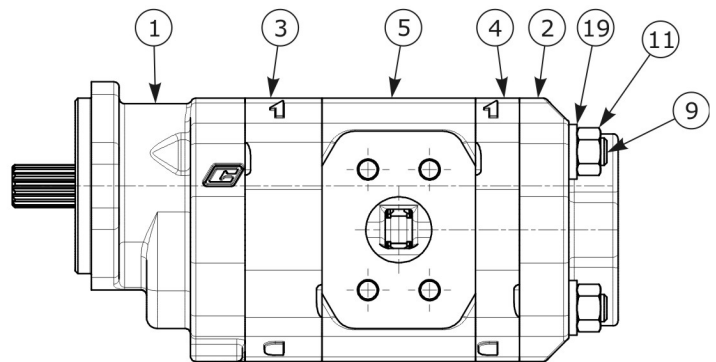
Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------|
| | 02987829 | 1 | JOYSTICK ASSEMBLY W/ COMPONENTS |
| 1 | 02981020 | 1 | LED RED 12VDC |
| 2 | 02981021 | 1 | DECAL JOYSTICK OPERATION CNSLE |
| 3 | 02981022 | 2 | SWITCH MOMNTRY PUSHBUTTON RED |
| 3A | 02983472 | 2 | PUSH BOTTOM CAP RED |
| 4 | 02981023 | 2 | SWITCH MOMNTRY PUSHBUTTON BLK |
| 4A | 02983473 | 2 | BOTTON COVER BLACK |
| 5 | 02981024 | 1 | SOCKET RELAY |
| 6 | 02981025 | 1 | RELAY SPDT 12VDC 20A |
| 7 | 02981026 | 1 | CIRCUIT BREAKER 10A PANEL MNT |
| 8 | 02981027 | 1 | BOOT CIRCUIT BREAKER COVER |
| 9 | 02977642 | 1 | CONNECTOR RECEPTACLE |
| 9A | 02977645 | 17 | PIN, 16-18 AWG |
| 9B | 02977646 | 4 | PIN, 12AWG |
| 10 | 02977643 | 1 | NUT, PANEL - 24 SHELL SIZE |
| 11 | 02981028 | 1 | SWITCH PUSH PULL |
| 12 | 02981029 | 1 | JOYSTICK ASSEMBLY |
| 13 | 02981031 | 1 | HANDLE ASSEMBLY |
| 14 | 02981032 | 1 | DECAL SWITCH OPERATION HANDLE |
| 15 | 02981033 | 1 | ASSEMBLY PUSHBUTTON FACE PLATE |
| 16 | 02981030 | 1 | SWITCH MOMENTARY PUSHBUTTON |
| 17 | 02977644 | 1 | LOCKWASHER - 24 SHELL SIZE |
| 18 | 02977043 | 1 | SWITCH ROCKER DPDT W/GREEN LED |
| 19 | 02983475 | 1 | POTENTIOMETER - SWING |
| 20 | 02983476 | 2 | POTENTIOMETER - LIFT & DIPPER |
| 21 | 02983477 | 8 | MACHINE SCREW #10-32 5/8 LG. |
| 22 | 02983478 | 8 | WASHER #10 NYLON |
| 23 | 02963584 | 1 | LOCKNUT 8-32 PL |
| | 02987905 | 1 | TRIGGER SWITCH (NOT SHOWN) |

PUMP ASY - SERVO CONTROLLED



CCW ROTATION

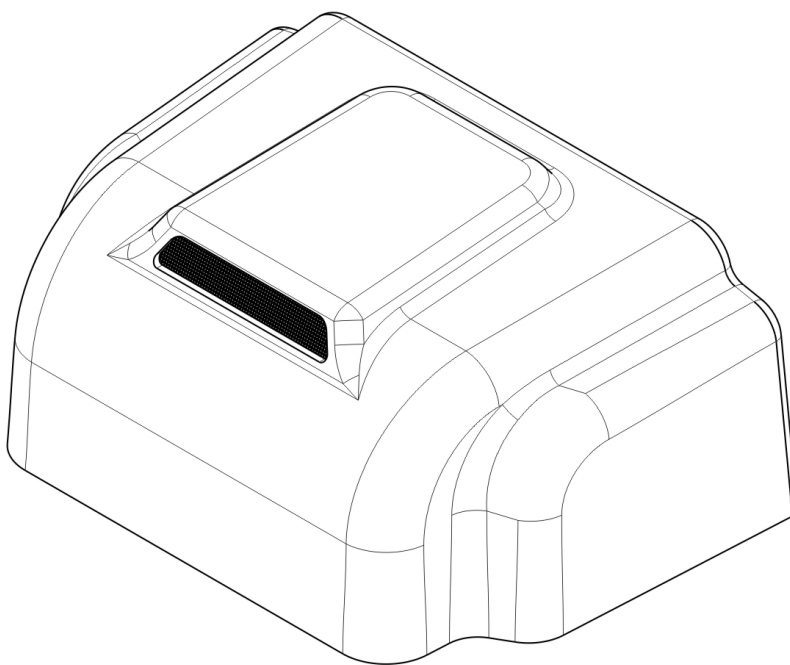


PUMP ASY - SERVO CONTROLLED

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------|
| | 02985600 | 1 | FRT PUMP ASY-TANDEM 1 IN, 2 OUT |
| 1 | 02961913 | 1 | MOUNTING FLANGE |
| 2 | 02962184 | 1 | COVER FLANGE |
| 3 | 02987934 | 1 | HOUSING, GEAR, FRT PUMP ASY |
| 4 | 02962186 | 1 | GEAR HOUSING |
| 5 | 02987935 | 1 | HOUSING,CARRIER BRNG, FRT PUMP |
| 6 | 02987936 | 1 | SET, GEAR SHAFT, FRT PUMP ASY |
| 7 | 02962188 | 1 | GEAR SET |
| 8 | 02962216 | 1 | CONNECTOR SHAFT |
| 9 | 02987937 | 4 | STUD, FRT PUMP ASY |
| 10 | 02987938 | 2 | SCREW, DRIVE, FRT PUMP ASY |
| 11 | 02962190 | 4 | NUT 5/8 NC PLB |
| 12 | 02979953 | 8 | DOWEL PIN, PUMP, HYDRO 15/10 |
| 13 | 02987939 | 4 | THRPL, FRT PUMP ASY |
| 14 | 02961920 | 2 | PLUG |
| 15 | 02987940 | 4 | SEAL, BACKUP, FRT PUMP ASY |
| 16 | 02987941 | 4 | SEAL, CHAN, FRT PUMP ASY |
| 17 | 02980336 | 1 | LIP SEAL FOR 02961474 MTR. |
| 18 | 02987942 | 4 | SEAL, SQ, R, FRT PUMP ASY |
| 19 | 02961917 | 4 | WASHER |
| 20 | 02987943 | 1 | KIT, REBUILD, MINOR, PUMP ASY |
| 21 | 02987944 | 1 | KIT, REBUILD, MAJOR, PUMP ASY |

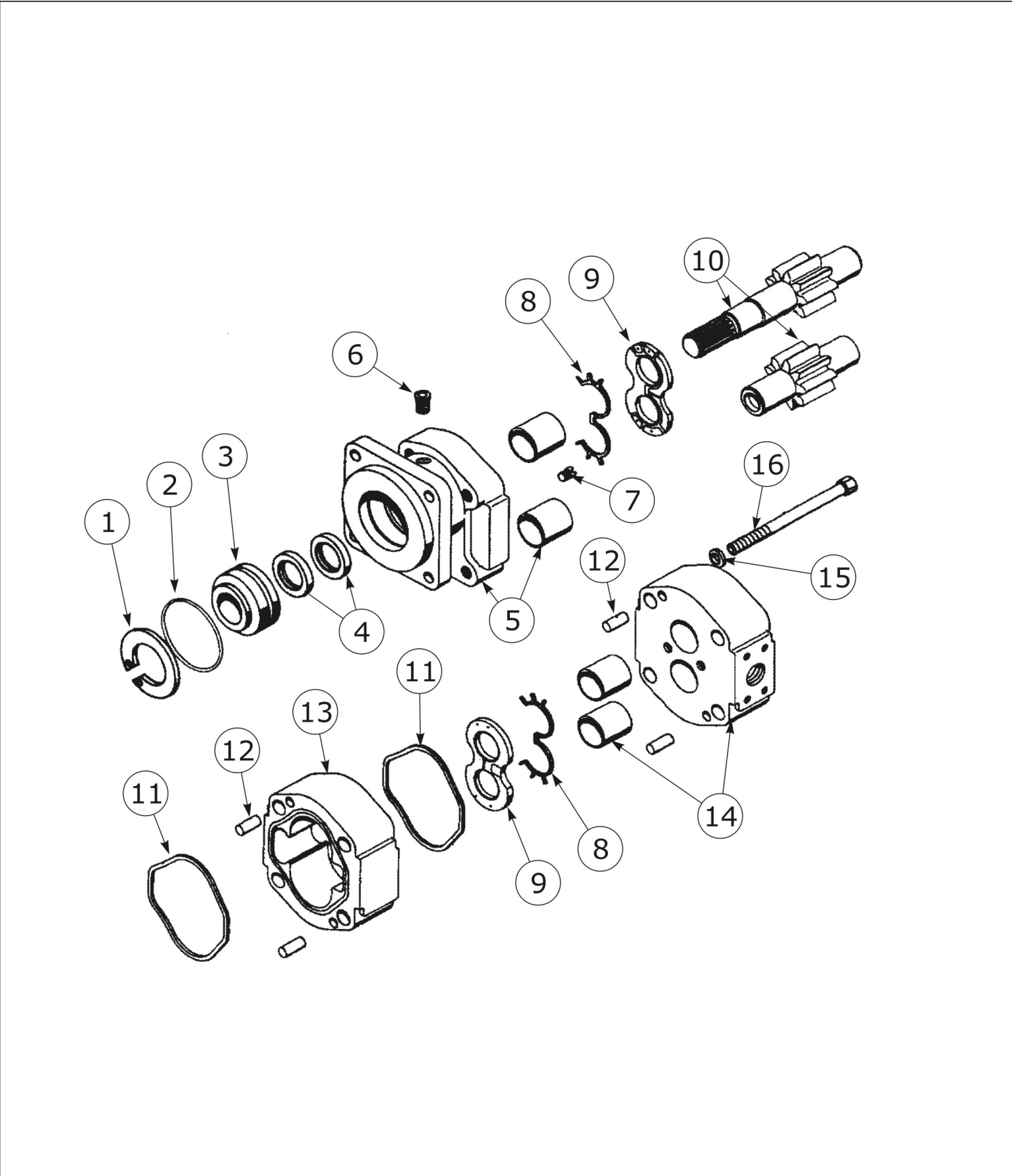
PUMP-TANK-VALVE COVER



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------------|
| 1 | 02981381 | 1 | ASY, PUMP COVER |
| | 02981441 | 2 | KNOB STUD, 3/8"-NC X 1-1/2" |
| | 02986111 | 3 | CABLE, PUMP COVER |
| | 00001000 | 2 | CABLE CLAMP |

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| ROTARY - MOTOR ASY | |
|--------------------|--|
|--------------------|--|

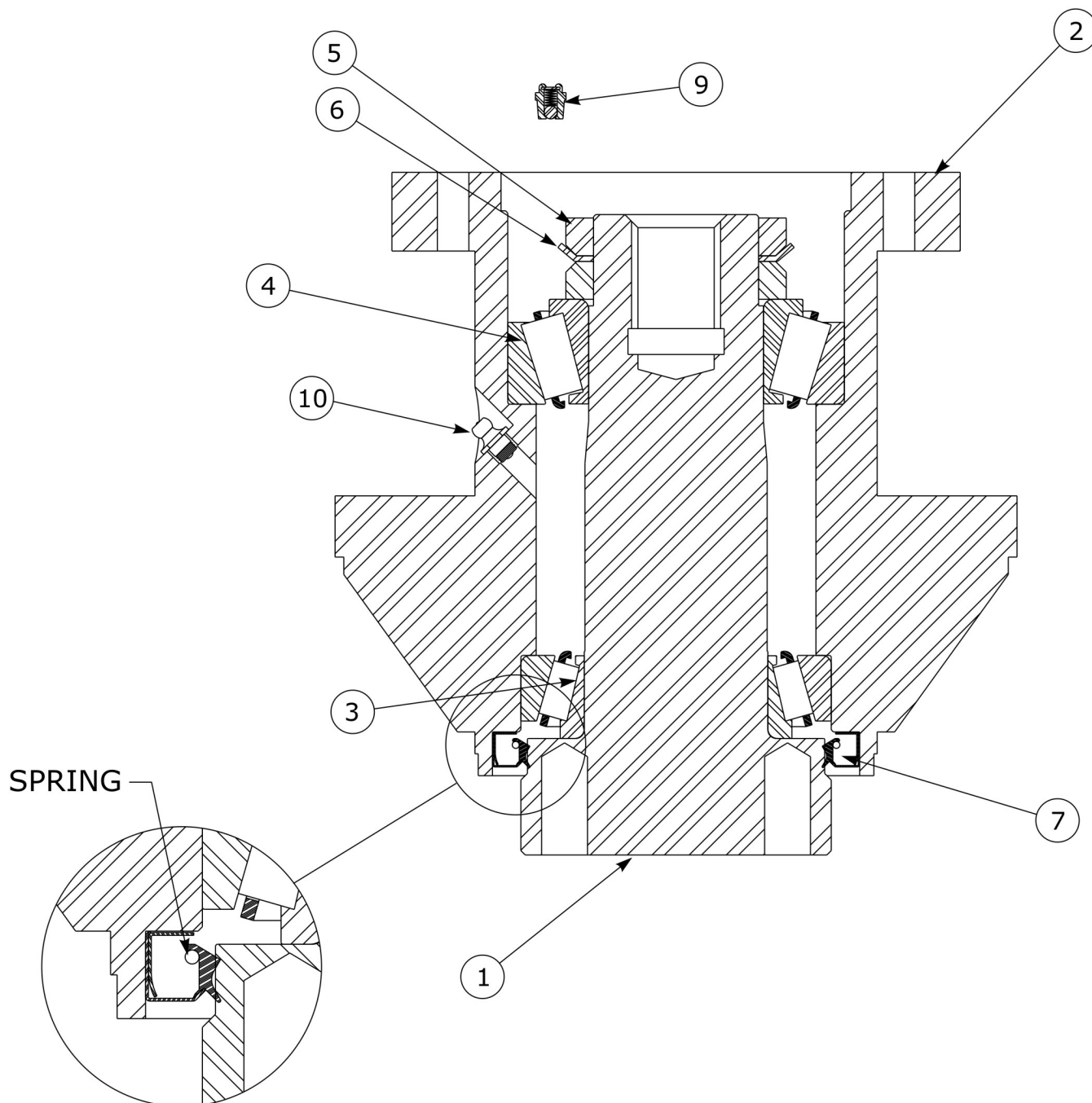


ROTARY - MOTOR ASY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| | 02962112 | 1 | HYD. MOTOR ASY, CAST IRON HSG. & SPLINED SHAFT |
| 1 | 02961933 | 1 | SNAP RING |
| 2 | * | 1 | O-RING (SEE ITEM 19 & 20) |
| 3 | 02961932 | 1 | RETAINER SEAL |
| 4 | * | 2 | SEAL (SEE ITEM 19 & 20) |
| 5 | 02961926 | 1 | MOUNTING FLANGE |
| 6 | 02961940 | 1 | PLUG HEX SKT HD |
| 7 | 02961931 | 2 | CHECK ASY. |
| 8 | * | 4 | SEAL END (SEE ITEM 19 & 20) |
| 9 | * | 2 | THRUST PLATES (SEE ITEM 20) |
| 10 | 02962287 | 1 | KIT GEAR SET |
| 11 | * | 2 | SQUARE SEAL (SEE ITEM 19 & 20) |
| 12 | 02961924 | 4 | PINS-DOWEL |
| 13 | 02962288 | 1 | HOUSING GEAR |
| 14 | 02961927 | 1 | PORTING FLANGE |
| 15 | 02961917 | 4 | WASHER |
| 16 | 02962289 | 4 | BOLT |
| 17 | * | 4 | SIADSE SEAL, NOT SHOWN (SEE ITEM 19 & 20) |
| 18 | 02962286 | 1 | RETAINER SEAL |
| 19 | 02962538 | 1 | SEAL KIT, MINOR REBUILD KIT (ITEMS 2,4,8,11,17) |
| 20 | 02961939 | 1 | SEAL KIT, MAJOR REBUILD (ITEMS 2,4,8,9,11,17) |

ROTARY - SPINDLE ASY

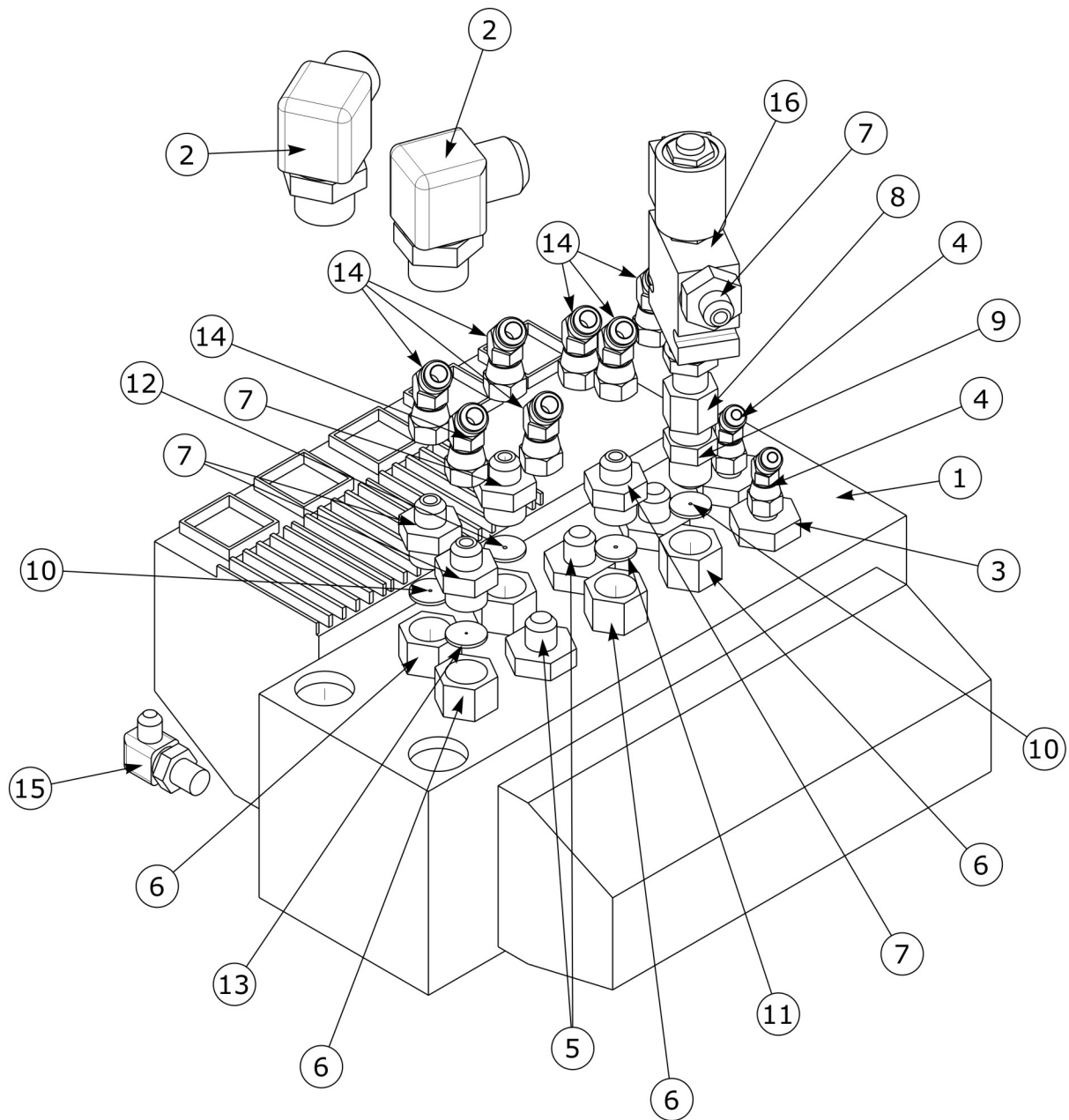


ROTARY - SPINDLE ASY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|---|
| | 02968859A | 1 | SPINDLE ASY |
| 1 | 02967204 | 1 | SPINDLE SHAFT, SPLINED |
| 2 | 02967126 | 1 | HOUSING, MACHINED SPINDLE |
| 3 | 02967197 | 1 | BEARING ASY, CUP & CONE, LOWER |
| 4 | 02967196 | 1 | BEARING ASY, CUP & CONE, UPPER |
| 5 | 02909500 | 2 | ADJUSTING NUT, 2.360-18 PITCH |
| 6 | 02909600 | 1 | TABBED LOCKWASHER, BEARING ADJUSTING NUT LOCK |
| 7 | 02967198 | 1 | SEAL |
| 8 | 02959018 | 1 | GREASE RELIEF FITTING, 1-5LBS |
| 9 | 00003500 | 1 | GREASE FITTING, 1/8" STRAIGHT |

VALVE ASSEMBLY - ELECTRO-HYDRAULIC VALVE

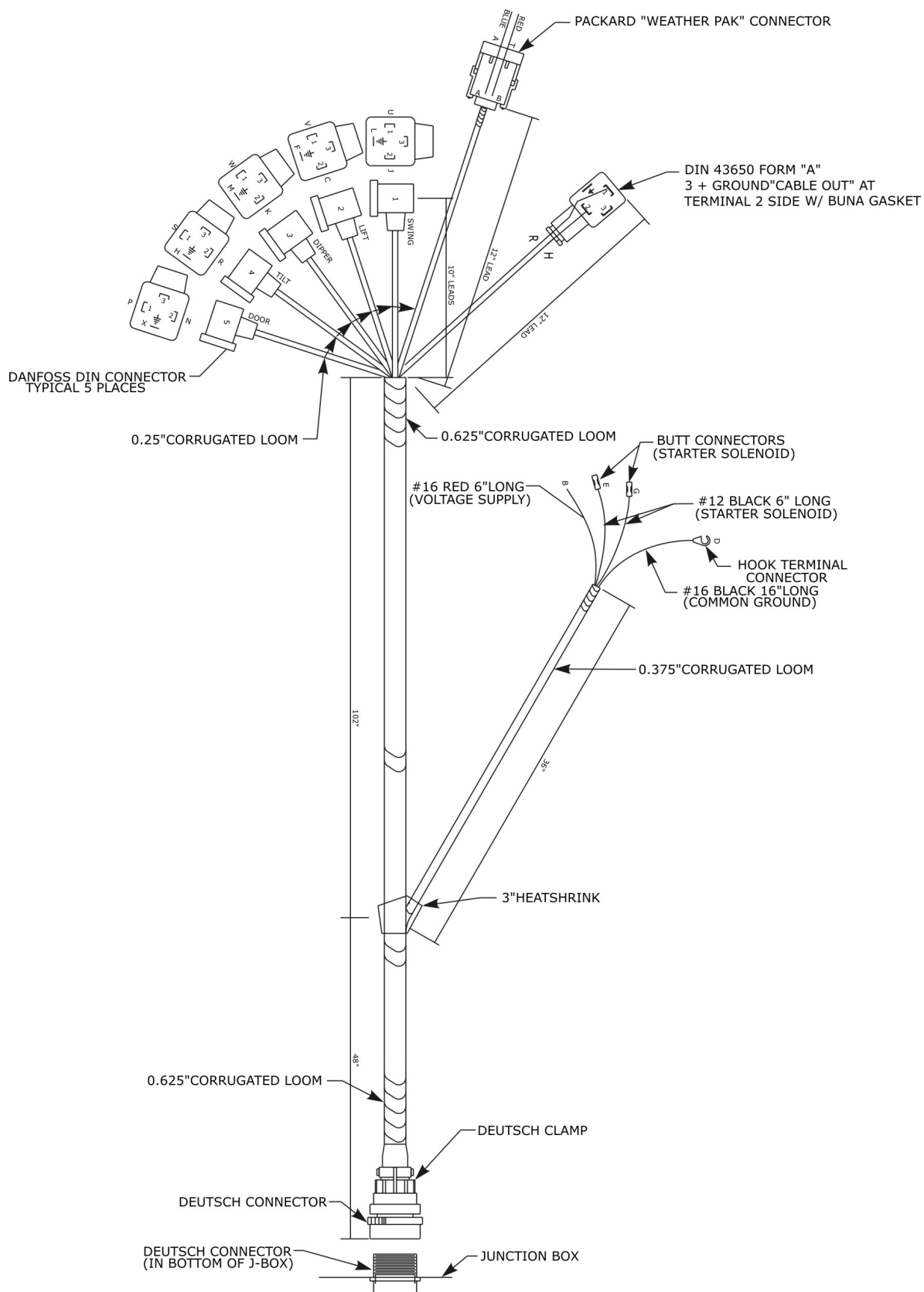


VALVE ASSEMBLY - ELECTRO-HYDRAULIC VALVE

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|-------------------------------|
| | 02987522 | 1 | ASY, ELEC VALVE, SAMURAI |
| 1 | 02971379 | 1 | VALVE, PVG32 O-CTR |
| 2 | 02090800 | 2 | ADP, HYD ELBOW 12MB - 12MJ 90 |
| 3 | 02972179 | 2 | ADP, HYD ST 10MB - 4MJ |
| 4 | 02976532 | 2 | ADP, HYD, 4MJ-4FJX 45 |
| 5 | 02972177 | 3 | ADP, HYD ST 10MB - 6MJ |
| 6 | 02972113 | 5 | ADP, HYD 10MB - 8FB |
| 7 | 02968850 | 5 | ADP, HYD ST 8MB-6MJ |
| 8 | 02975438 | 1 | ADP, HYD STGHT 8FJX-8MB |
| 9 | 00696800 | 1 | ADP HYD STGHT 8MB-8MJ 90° |
| 10 | 02969398 | 2 | ORIFICE, .055 RESTRICTOR |
| 11 | 02972209 | 1 | ORIFICE, .063 RESTRICTOR |
| 12 | 02972210 | 1 | ORIFICE, .070 RESTRICTOR |
| 13 | 02969399 | 1 | ORIFICE, .040 RESTRICTOR |
| 14 | 02976531 | 7 | ADP HYD ELBOW 6MJ-6FJX 45 |
| 15 | 02972178 | 1 | ADP, HYD ELBOW 12MB - 8MJ 90 |
| 16 | 02972208A | 1 | ASY, VALVE SOLENOID |

WIRE HARNESS ELECT-HYD VALVE



WIRE HARNESS ELECT-HYD VALVE

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------|
| | 02984735 | 1 | ASY, HARNESS, SAMURAI |

ALAMO INDUSTRIAL

Limited Warranty

1. LIMITED WARRANTIES

- 1.01. Alamo Industrial warrants for one year from the purchase date to the original non-commercial, governmental, or municipal purchaser ("Purchaser") and warrants for six months to the original commercial or industrial purchaser ("Purchaser") that the goods purchased are free from defects in material or workmanship.
- 1.02. Manufacturer will replace for the Purchaser any part or parts found, upon examination at one of its factories, to be defective under normal use and service due to defects in material or workmanship.
- 1.03. This limited warranty does not apply to any part of the goods which has been subjected to improper or abnormal use, negligence, alteration, modification, or accident, damaged due to lack of maintenance or use of wrong fuel, oil, or lubricants, or which has served its normal life. This limited warranty does not apply to any part of any internal combustion engine, or expendable items such as blades, shields, guards, or pneumatic tires except as specifically found in your Operator's Manual.
- 1.04. Except as provided herein, no employee, agent, Dealer, or other person is authorized to give any warranties of any nature on behalf of Manufacturer.

2. REMEDIES AND PROCEDURES.

- 2.01. This limited warranty is not effective unless the Purchaser returns the Registration and Warranty Form to Manufacturer within 30 days of purchase.
- 2.02. Purchaser claims must be made in writing to the Authorized Dealer ("Dealer") from whom Purchaser purchased the goods or an approved Authorized Dealer ("Dealer") within 30 days after Purchaser learns of the facts on which the claim is based.
- 2.03. Purchaser is responsible for returning the goods in question to the Dealer.
- 2.04. If after examining the goods and/or parts in question, Manufacturer finds them to be defective under normal use and service due to defects in material or workmanship, Manufacturer will:
 - (a) Repair or replace the defective goods or part(s) or
 - (b) Reimburse Purchaser for the cost of the part(s) and reasonable labor charges (as determined by Manufacturer) if Purchaser paid for the repair and/or replacement prior to the final determination of applicability of the warranty by Manufacturer.The choice of remedy shall belong to Manufacturer.
- 2.05. Purchaser is responsible for any labor charges exceeding a reasonable amount as determined by Manufacturer and for returning the goods to the Dealer, whether or not the claim is approved. Purchaser is responsible for the transportation cost for the goods or part(s) from the Dealer to the designated factory.

3. LIMITATION OF LIABILITY.

- 3.01. MANUFACTURER DISCLAIMS ANY EXPRESS (EXCEPT AS SET FORTH HEREIN) AND IMPLIED WARRANTIES WITH RESPECT TO THE GOODS INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
- 3.02. MANUFACTURER MAKES NO WARRANTY AS TO THE DESIGN, CAPABILITY, CAPACITY, OR SUITABILITY FOR USE OF THE GOODS.
- 3.03. EXCEPT AS PROVIDED HEREIN, MANUFACTURER SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO PURCHASER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS, OR DAMAGE CAUSED OR ALLEGED TO BE CAUSED DIRECTLY OR INDIRECTLY BY THE GOODS INCLUDING, BUT NOT LIMITED TO, ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES RESULTING FROM THE USE OR OPERATION OF THE GOODS OR ANY BREACH OF THIS WARRANTY. NOTWITHSTANDING THE ABOVE LIMITATIONS AND WARRANTIES, MANUFACTURER'S LIABILITY HEREUNDER FOR DAMAGES INCURRED BY PURCHASER OR OTHERS SHALL NOT EXCEED THE PRICE OF THE GOODS.
- 3.04. NO ACTION ARISING OUT OF ANY CLAIMED BREACH OF THIS WARRANTY OR TRANSACTIONS UNDER THIS WARRANTY MAY BE BROUGHT MORE THAN TWO (2) YEARS AFTER THE CAUSE OF ACTION HAS OCCURRED.

4. MISCELLANEOUS.

- 4.01. Proper Venue for any lawsuits arising from or related to this limited warranty shall be only in Guadalupe County, Texas.
- 4.02. Manufacturer may waive compliance with any of the terms of this limited warranty, but no waiver of any terms shall be deemed to be a waiver of any other term.
- 4.03. If any provision of this limited warranty shall violate any applicable law and is held to be unenforceable, then the invalidity of such provision shall not invalidate any other provisions herein.
- 4.04. Applicable law may provide rights and benefits to purchaser in addition to those provided herein.

KEEP FOR YOUR RECORDS

ATTENTION: Purchaser should fill in the blanks below for his reference when buying repair parts and/or for proper machine identification when applying for warranty.

Alamo Industrial Implement Model _____ Serial Number _____
Date Purchased _____ Dealer _____

ATTENTION:
READ YOUR OPERATOR'S MANUAL

ALAMO INDUSTRIAL

1502 E. Walnut
Seguin, Texas 78155
830-379-1480





TO THE OWNER/OPERATOR/DEALER

To keep your implement running efficiently and safely, read your manual thoroughly and follow these directions and the Safety Messages in this Manual. The Table of Contents clearly identifies each section where you can easily find the information you need.

The OCCUPATIONAL SAFETY AND HEALTH ACT (1928.51 Subpart C) makes these minimum safety requirements of tractor operators:

REQUIRED OF THE OWNER:

1. Provide a Roll-Over-Protective Structure that meets the requirements of this Standard; and
2. Provide Seatbelts that meet the requirements of this paragraph of this Standard and SAE J4C; and
3. Ensure that each employee uses such Seatbelt while the tractor is moving; and
4. Ensure that each employee tightens the Seatbelt sufficiently to confine the employee to the protected area provided by the ROPS.

REQUIRED OF THE OPERATOR

1. Securely fasten seatbelt if the tractor has a ROPS.
2. Where possible, avoid operating the tractor near ditches, embankments, and holes.
3. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going - especially at row ends, on roads, and around trees.
6. Do not permit others to ride.
7. Operate the tractor smoothly - no jerky turns, starts, or stops.
8. Hitch only to the drawbar and hitch points recommended by the tractor manufacturer.
9. When the tractor is stopped, set brakes securely and use park lock, if available.



Keep children away from danger all day, every day...



Equip tractors with rollover protection (ROPS) and keep all machinery guards in place...



Please work, drive, play and live each day with care and concern for your safety and that of your family and fellow citizens.

